LAPP AUSTRALIA PRODUCT SELECTION GUIDE

CABLES / CABLE GLANDS / CONNECTORS / CONDUIT / ACCESSORIES

lappaustralia.com.au

LAPP

WELCOME TO LAPP AUSTRALIA

The right connection starts with the right partner.

LAPP Australia combines the global strength of one of the world's leading cable and connectivity manufacturers with local stock, technical expertise and service for Australian industry.

Our comprehensive portfolio includes power and control cables, industrial Ethernet, connectors, cable glands, cable protection, automation products and complete cable assemblies - all from a single source.

With more than 5,000 product lines and over one million metres of cable stocked locally, we are ready for fast dispatch across Australia.

Our complimentary cable-cutting service prepares stocked cable to the required length. For specialised applications, we also provide access to LAPP's global portfolio of more than 25,000 products, with dispatch from Germany typically available within two weeks.

Our local technical team can help select the right components, solve application challenges and improve reliability, productivity and installation efficiency.

Customers can easily find products, check availability and order through our eShop. Our Australian Harnessing Solutions facility provides additional support–from cut-to-length and pre-terminated cables to complex custom harnesses, assemblies and production runs.

Backed by decades of global engineering and manufacturing expertise, LAPP Australia delivers internationally proven products with the local knowledge and support our customers need.

Global expertise. Local support. Make the right connection with LAPP Australia.

Legend

Product characteristics

- Power chain
- Torsion-resistant
- UV-resistant
- Suitable for outdoor use
- Halogen-free
- U.S. Certification
- Marine Certification

Stay informed, follow us on social media.

ALL QUALITY PRODUCTS AT A GLANCE

ÖLFLEX®

ÖLFLEX® has become synonymous with power and control cables. Our flexible and oil-resistant cables satisfy the highest demands and can withstand even the very toughest conditions.

UNITRONIC®

Our high-quality UNITRONIC® data network cables and field bus components provide a forward-looking solution for all applications in industrial machinery and plant engineering. From the transmission of simple control signals to field bus signals in complex network structures – we offer a dependable cabling and connection solution for almost every situation.

ETHERLINE®

Our ETHERLINE® branded products open up a secure, fast and reliable path to the future of Ethernet applications, e.g. PROFINET®. The systems are made up of durable and robust cables and connection components for passive and active network technology, and deliver an effective solution for almost any application, particularly in an industrial environment.

HITRONIC®

HITRONIC® fibre optic cables make transmitting large data volumes easy: fault-free, bug-proof and at almost the speed of light. Even electromagnetic radiation does not interfere with the transmission. The HITRONIC® range includes the ideal solution for indoor or outdoor use, for demanding conditions and even for use in power chains.

EPIC®

EPIC® industrial connectors can be found everywhere in industrial machinery and plant engineering, for measuring, control and drives. EPIC® is a flexible system of housings, inserts and contacts: all extremely robust, absolutely safe and simplicity itself to assemble.

SKINTOP®

Simply feed in the cable and twist - that's it. Our SKINTOP® cable glands provide secure connections in no time. The universal systems are simple but effective. They secure and centre the cable, hermetically seal it and guarantee optimum strain relief.

SILVYN®

The universal range of SILVYN® protection and guidance systems protects cables effectively against dust and moisture, as well as mechanical, thermal and chemical influences. The versatile SILVYN® CHAIN range of energy supply chains also protects and guides cables in dynamic applications.

FLEXIMARK®

The requirement: permanent markings. The solution: FLEXIMARK®. These sophisticated systems mean that a clear overview inside a control cabinet is no longer just a pipe dream. From simple labels for manual marking through to electronic markings, the FLEXIMARK® range is guaranteed to last.

Custom Cable Assembly & Harnessing Solutions

Built for Australian Industries. Ready for your application

LAPP Australia provides custom cable assembly, cable harnessing, wire harness and wiring loom services for OEMs, machine builders, panel builders and industrial manufacturers across Australia. From cut-to-length cable supply to terminated cable assemblies, wire harnesses and ready-to-install looms, we help you reduce installation time, improve consistency and simplify procurement.

Our capabilities

Cut-to-length Cable Services
Cut, strip and prepare cables to your exact requirements.

Terminal Cables Assemblies
Ready-to-connect assemblies for power, control and data.

Custom Wire Harnesses & Wiring Looms
Multi-branch harnesses built to your specifications.

Cable Chain Assemblies
Pre-assembled solutions for dynamic applications.

Prototype & Production
From one-off prototypes to repeat production runs.

Servo Assemblies
Compatible with OEM specifications for reliable connectivity.

Why choose LAPP Australia?

- Local capability - Australian-made harnessing solutions with local support and fast communication.
- Strong stock position - Over 5,000 stocked parts and more than 1 million metres of cable in Australia
- Quality you can trust - 100% testing to customer and industry requirements with full documentation.
- Built for your industry - Supporting machine builders, panel builders, OEMs and industrial customers Australia-wide.

Industries we support

- Industrial Automation
- Machine Building
- HVAC
- Panel Building
- Intralogistics & Warehousing
- Agricultural Machinery
- Mining Support Equipment
- Water & Wastewater
- Defence
- Rail & Rolling Stock
- Data Centres
- BESS (Battery Storage)

CASE STUDIES

Agricultural spraying specialist HARDI curtails downtime and wear with robust LAPP cable harnesses

Agricultural spraying equipment manufacturer HARDI is using LAPP Australia's cable harnessing solutions to improve durability and reliability in tough Australian conditions. HARDI, a Danish-origin company, runs its largest manufacturing facility outside its headquarters in Adelaide, producing spraying equipment that ranges from compact 1.5-litre hand sprayers up to large 10,000-litre trailer sprayers fitted with 54-metre booms.

HARDI Chief Commercial Officer Zac Harnett explains that Australian conditions are often harsher than those typical in Europe, meaning the company's equipment needs to be built to withstand tougher elements. This drove HARDI's choice of LAPP, selected for its chemical resistance, UV resistance, overmoulded connectors, and energy chain-rated cables capable of withstanding the repeated bending motions of spray booms.
The partnership delivers several key benefits. Traceability is a major factor for HARDI, with every part serialised for every customer, allowing rapid identification and replacement of components without delay. LAPP's cable harnesses also arrive pre-assembled and labelled, reducing assembly time and complexity for HARDI's production teams. Harnett also values the quality of service, noting that LAPP has been helpful and easy to work with, and that he appreciates being able to call and speak with a real person rather than dealing with automated systems.

Overall, the partnership supports HARDI's commitment to product longevity and customer satisfaction, while helping the company meet its seasonal delivery timelines.

Locally Manufactured LAPP Cable Harnesses Optimise Energy Efficient New Seeley Rooftop HVAC System.

Seeley International's Australian division is using locally manufactured cable harnessing solutions from LAPP Australia to support its new rooftop package unit, developed for the United States market. The system combines Indirect-Direct Evaporative Cooling (IDEC) with an integrated heat pump in a single hybrid unit. Product Manager Leon Minnie says the result is a solution that's around 70% more energy efficient, while also delivering substantially more filtered outside air than conventional systems.

Because the unit is manufactured in Australia specifically for US commercial markets, UL-certified components are essential to simplify export requirements. This need led Seeley to LAPP's newly established Cable Harnessing Solutions division, and the partnership grew from there. Minnie highlighted LAPP's responsiveness and attention to detail, noting the team often identifies issues in drawings that help prevent potential problems before they arise.

LAPP's harnesses include multi-standard UL-certified switchboard flex cables, ETHERLINE CAT.5E Ethernet cables, UL-certified end sleeves, and WAGO conductors and connectors, all locally stocked for faster delivery and custom colour selection. The hybrid system also enables automatic sensor-based switching when air quality deteriorates, such as during bushfire smoke events, with one LAPP harness configuration able to serve three different Seeley units across both Australian and US markets.

QUICK REFERENCE GUIDE

FLEXIBLE CONTROL 9
FLEXIBLE POWER 11
VSD EMC 13
RUBBER SUBMERSIBLE 14
RUBBER 15
APPLIANCE WIRE 16
CABLE FERRULES 17
SDI CABLES 18
CABLE LUGS & LINKS 19
ORANGE CIRCULAR + FR 3013 20
INSULATED CABLE LUGS & TOOLS 21
INTRINSICALLY SAFE 22
BLACK POWER FLEX 23
HALOGEN FREE BLACK POWER FLEX 24
HALOGEN FREE CONTROL FLEX 25
UL RATED APPLIANCE WIRE 26
UL RATED CONTROL FLEX 27
HARSH ENVIRONMENT ROBUST 28
HARSH ENVIRONMENT PUR FLEX 29
EXPANDED TEMPERATURE 30
MARINE CERTIFIED 32
REELING & LIFTING 33
DRAG CHAIN INDOOR 35
DRAG CHAIN HARSH ENVIRONMENT 36
SERVO MOTOR 38
DRAG CHAIN ROBOTIC APPLICATION 39
DATA CABLE 41
RS232 / RS422 / RS485 42
INSTRUMENTATION 43
ROBUST/DRAGCHAIN DATA 44
PROFIBUS 45
BUS CABLES / AS-I / KNX 46
UNITRONIC BUS / SWA 47
SENSOR LEAD & CONNECTORS 48
SENSOR CONNECTORS 49
LCD 50
INDUSTRIAL ETHERNET 52
FLEXIBLE ETHERNET 54
PATCH & LAN 55
ETHERNET CONNECTORS 56
ELECTRONIC CIRCUIT BREAKERS 57
POWERLOCK CONNECTORS 59
CEE FORM PLUGS & CONNECTORS 60
BOX CONNECTORS 62
WIELAND REVOS EX 64
SENSOR CONNECTORS 65
POWER SUPPLIES 66
MULTIBOX 67
NYLON COMPRESSION GLANDS 69
METAL COMPRESSION GLANDS 70
EMC GLANDS 71
METAL BLANKING GLANDS 72
STAINLESS STEEL GLANDS 73
FLAT CABLE GLANDS 74
GLANDS FOR HAZARDOUS AREAS 75
GLAND INSERTS 76
MULTI CABLE BUSHING SYSTEMS 77
FIBRE CABLES 79
CABLE MARKING SYSTEMS 80
CAM SWITCHES 81
SPLICING CONNECTORS 82
WAGO TERMINALS 83
WIELAND TERMINALS 85
FUSE / WATERPROOF CONNECTORS 87
WIELAND SAFETY 88
CABLE MANAGEMENT 90
CONDUIT 91
TOSI 92
AUTOMATION 93
APPENDIX 94

1

ÖLFLEX®

Power and control cables

OLFLEX® has become synonymous with power and control cables. Our flexible and oil-resistant cables satisfy the highest demands and can withstand even the very toughest conditions.

Application range

- Industrial machinery, machine tools, plant and equipment engineering
- Measurement, control, heating and air conditioning systems
- Wind power and photovoltaic systems
- Public buildings, airports and stations
- Medical technology, chemical industry, composting plants and sewage works
- Food and beverage industry
- Power drive systems
- Robot applications
- Railway applications

ÖLFLEX® 110 SERIES (BLACK)

MULTI-CORE FLEX WITH NUMBERED CORES

ESHOP

Construction
» Flexible Class 5 fine wire stranding
» PVC insulation and outer sheath

Minimum Bending Radius
» Flexing: 15 x cable OD
» Fixed: 4 x cable OD

Temperature Rating
» Flexing: -5°C to 70°C
» Fixed: -40°C to 80°C

Nominal Voltage
» 300/500V

With Earth

Grey	Black (UV Resistant)	Cores	OD (mm)
0.5mm			
1119003		2 C+E	4.8
1119004		3 C+E	5.7
1119005		4 C+E	6.2
1119007		6 C+E	6.7
1119010		9 C+E	8.6
1119012		11 C+E	8.9
1119018		17 C+E	10.5
1119021		20 C+E	11.7
1119025		24 C+E	12.4
1119030		29 C+E	13.3
1119035		34 C+E	14.5
1119040		39 C+E	15.4
1119065		64 C+E	19.6
0.75mm			
1119103	1119871	2 C+E	5.7
1119104	1119872	3 C+E	6.2
1119105	1119873	4 C+E	6.7
1119107	1119874	6 C+E	7.3
1119109		8 C+E	9.4
1119110		9 C+E	9.6
1119112	1119875	11 C+E	9.9
1119115		14 C+E	10.9
1119118	1119876	17 C+E	11.7
1119121		20 C+E	13
1119125	1119877	24 C+E	13.8
1119134		33 C+E	15.9
1119141		40 C+E	17.4
1119150		49 C+E	19.2
1mm			
1119203	1119244	2 C+E	6
1119204	1119245	3 C+E	6.5
1119205	1119246	4 C+E	7.1
1119206		5 C+E	8
1119207	1119247	6 C+E	8
1119209		8 C+E	10
1119210		9 C+E	10.2
1119212	1119248	11 C+E	10.5
1119214		13 C+E	11.2
1119218	1119249	17 C+E	12.7
1119220		19 C+E	13.4
1119225		24 C+E	14.7
1119234		33 C+E	17.1
1119236		35 C+E	17.4
1119241		40 C+E	18.8
1119250		49 C+E	20.6

Grey	Black (UV Resistant)	Cores	OD (mm)
1.5mm			
1119303	1119020	2 C+E	6.7
1119304	1119879	3 C+E	7.2
1119305	1119880	4 C+E	8.1
1119307	1119881	6 C+E	8.9
1119309		8 C+E	11.4
1119310		9 C+E	11.4
1119312	1119882	11 C+E	12
1119314		13 C+E	12.7
1119318	1119883	17 C+E	14.4
1119321		20 C+E	15.7
1119325	1119884	24 C+E	16.9
1119334		33 C+E	19.4
1119341		40 C+E	21.3
1119350		49 C+E	23.5
1119365		64 C+E	26.7
2.5mm			
1119403	1119885	2 C+E	8.1
1119404	1119886	3 C+E	8.9
1119405	1119887	4 C+E	10
1119407	1119888	6 C+E	11.1
1119412		11 C+E	14.8
1119418	1119890	17 C+E	17.8
1119425	1119891	24 C+E	20.8
4mm			
1119503		2 C+E	9.9
1119504		3 C+E	10.8
1119505		4 C+E	12.1
1119507		6 C+E	13.4
6mm			
1119603		2 C+E	11.7
1119604		3 C+E	13
1119605		4 C+E	14.5
10mm			
1119613		2 C+E	14.6
1119615		4 C+E	18.1
16mm			
1119624		3 C+E	18.8
25mm			
1119634		3 C+E	23.5

No Earth

Grey	Black (UV Resistant)	Cores	OD
0.5mm			
1119752		2C	4.8
1119753		3C	5.1
1119754		4C	5.7
1119755		5C	6.2
0.75mm			
1119802	1119809	2C	5.4
1119803	1119892	3C	5.7
1119804	1119893	4C	6.2
1119805		5C	6.7
1119807		7C	7.3

Grey	Black (UV Resistant)	Cores	OD
1119812		12C	9.9
1mm			
1119852	1119894	2C	5.7
1119853	1119895	3C	6
1119854	1119896	4C	6.5
1119855		5C	7.1
1119857		7C	8
1119862		12C	10.5
1.5mm			
1119902	1119898	2C	6.3
1119903	1119899	3C	6.7
1119904	1119900	4C	7.2
2.5mm			
1119952	1119914	2C	7.5

ÖLFLEX® 110 CY SERIES

EMC SCREENED FLEXIBLE CONTROL CABLE WITH NUMBERED CORES

ESHOP

Construction
Flexible Class 5 fine wire stranding, PVC inner insulation material and transparent PVC outer sheath. Tinned copper braid screen with high coverage.

Minimum Bending Radius
» Flexing: 20 x cable OD
» Fixed: 6 x cable OD

Temperature Rating
» Flexing: -5°C to 70°C
» Fixed: -40°C to 80°C

Nominal Voltage
» U0/U: 300/500V

Test Voltage
» 4000V

Part No.	Cores	Type	OD (mm)	Suitable Gland
0.5mm Conductor				
1135752	2	2 Core (No Earth)	7	M16
1135003	3	2 Core + Earth	7.3	M16
1135004	4	3 Core + Earth	7.9	M16
1135005	5	4 Core + Earth	8.4	M20
1135007	7	6 Core + Earth	8.9	M20
1135012	12	11 Core + Earth	11.3	M20
1135018	18	17 Core + Earth	13.3	M25/32
1135025	25	24 Core + Earth	15.2	M25/M32
0.75mm Conductor				
1135802	2	2 Core (No Earth)	7.4	M16
1135103	3	2 Core + Earth	7.9	M16
1135104	4	3 Core + Earth	8.4	M20
1135105	5	4 Core + Earth	8.9	M20
1135107	7	6 Core + Earth	9.7	M20
1135112	12	11 Core + Earth	12.3	M25
1135118	18	17 Core + Earth	14.5	M25
1135125	25	24 Core + Earth	16.6	M25/32
1mm Conductor				
1135852	2	2X1/2 Core (No Earth)	7.9	M16
1135203	3	2 Core + Earth	8.2	M16
1135204	4	3 Core + Earth	8.7	M20
1135205	5	4 Core + Earth	9.5	M20
1135207	7	6 Core + Earth	10.2	M20
1135212	12	11 Core + Earth	13.3	M25
1135218	18	17 Core + Earth	15.5	M25/M32
1135225	25	24 Core + Earth	17.5	M32

Part No.	Cores	Type	OD (mm)	Suitable Gland
1.5mm Conductor				
1135902	2	2 Core (No Earth)	8.5	M16
1135303	3	2 Core + Earth	8.9	M20
1135304	4	3 Core + Earth	9.6	M20
1135305	5	4 Core + Earth	10.3	M20
1135307	7	6 Core + Earth	11.3	M20
1135312	12	11 Core + Earth	14.8	M25
1135318	18	17 Core + Earth	17.2	M32
1135325	25	24 Core + Earth	20.1	M32
1135334	34	33 Core + Earth	22.8	M40
2.5mm Conductor				
1135402	2	2X2.5 / 2 Core (No Earth)	9.9	M20
1135403	3	2 Core + Earth	10.3	M20
1135404	4	3 Core + Earth	11.3	M20
1135405	5	4 Core + Earth	12.6	M25
1135407	7	6 Core + Earth	13.9	M25
4mm Conductor				
1135504	4	3 Core + Earth	13.4	M25
6mm Conductor				
1135604	4	3 Core + Earth	15.8	M25/M32

ÖLFLEX® CLASSIC 115 CY BK

SCREENED PVC CONTROL CABLE WITH SMALL OUTER DIAMETER AND BLACK OUTER SHEATH WITH NUMBERED CORES

ESHOP

Construction
» Conductor made of class 5 fine bare copper wires
» Core insulation: PVC twisted in layers
» Outer sheath: PVC
» Tinned-copper braiding
» Plastic foil wrapping

Minimum Bending Radius
» Occasional flexing: 20 x outer diameter
» Fixed installation: 6 x outer diameter

Temperature Rating
» Occasional Flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Test Voltage
» Core/Core: 4000 V
» Core/Screen: 2000 V

Part No.	Cores	Description	OD (mm)	Suitable Gland
0.5mm				
1136510	2	2 Core (No Earth)	5.8	M12
1136511	3	2 Core + Earth	6.1	M12
1136513	4	3 Core + Earth	6.5	M12
1136515	5	4 Core + Earth	7	M16
0.75mm				
1136110	3	2 Core + Earth	6.5	M12
1136111	4	3 Core + Earth	7	M16
1136113	5	4 Core + Earth	7.7	M16
1136114	7	6 Core + Earth	8.3	M16
1136115	12	11 Core + Earth	10.9	M20
1136533	18	17 Core + Earth	12.7	M20
1mm				
1136536	3	2 Core + Earth	6.8	M12
1136538	4	3 Core + Earth	7.3	M16
1136540	5	4 Core + Earth	8.1	M16
1136542	7	6 Core + Earth	8.8	M16
1136544	12	11 Core + Earth	11.5	M20

Part No.	Cores	Description	OD (mm)	Suitable Gland
1.5mm				
1136548	3	2 Core + Earth	7.5	M16
1136550	4	3 Core + Earth	8.2	M16
1136552	5	4 Core + Earth	8.9	M16
1136554	7	6 Core + Earth	9.9	M20
2.5mm				
1136560	3	2 Core + Earth	8.9	M16
1136561	4	3 Core + Earth	9.9	M20
1136563	7	6 Core + Earth	11.9	M20
4mm				
1136566	4	3 Core + Earth	11.8	M20
6mm				
1136567	4	3 Core + Earth	14.2	M25

ÖLFLEX® 100 SERIES

MULTI-CORE FLEXIBLE POWER CABLE WITH COLOURED CORES

ESHOP

Construction
» Flexible Class 5 fine wire stranding
» PVC inner insulation material
» Grey PVC outer sheath.

Minimum Bending Radius
» Flexing: 15 x cable OD
» Fixed: 4 x cable OD

Temperature Rating
» Flexing: -5°C to 70°C
» Fixed: -40°C to 80°C

Nominal Voltage
» 300/500V (<=1.5mm)
» 450/750V (>=2.5mm)
» 0.6/1kV (>=2.5 fixed & protected)

Part No.	Conductor Size	Conductor Colours	OD (mm)
2 Core (No Earth)			
00100014	0.5mm	Blue, Brown	4.8
00100214	0.75mm	Blue, Brown	5.4
00100414	1mm	Blue, Brown	5.7
00100634	1.5mm	Blue, Brown	6.3
0010086	2.5mm	Blue, Brown	8.9
3 Core (2 Core + Earth)			
00100004	0.5mm	Blue, Brown, Green/Yellow	5.1
00100224	0.75mm	Blue, Brown, Green/Yellow	5.7
00100424	1mm	Blue, Brown, Green/Yellow	6.0
00100644	1.5mm	Blue, Brown, Green/Yellow	6.7
0010087	2.5mm	Blue, Brown, Green/Yellow	9.6
4 Core (3 Core + Earth)			
00100024	0.5mm	Blue, Brown, Grey, Green/Yellow	5.7
00100234	0.75mm	Blue, Brown, Grey, Green/Yellow	6.2
00100434	1mm	Blue, Brown, Grey, Green/Yellow	6.5
00100654	1.5mm	Blue, Brown, Grey, Green/Yellow	7.2
00100883	2.5mm	Blue, Brown, Grey, Green/Yellow	10.7
7 Core (6 Core + Earth)			
0010005	0.5mm	Blue, Brown, Grey, White, Black, Red, Green/Yellow	6.7
0010046	1mm	Blue, Brown, Grey, White, Black, Red, Green/Yellow	8
0010068	1.5mm	Blue, Brown, Grey, White, Black, Red, Green/Yellow	8.9
0010091	2.5mm	Blue, Brown, Grey, White, Black, Red, Green/Yellow	13.1
12 Core (11 Core + Earth)			
0010008	0.5mm	Blue, Brown, Grey, White, Black, Red, Violet, Pink, Orange, Transparent, Beige, Green/Yellow	8.9

2 CORE

3 CORE (2 CORE + EARTH)

4 CORE (3 CORE + EARTH)

7 CORE (6 CORE + EARTH)

12 CORE (11 CORE + EARTH)

ÖLFLEX® CLASSIC 100 CY SERIES

EMC CLEAR SCREENED FLEXIBLE POWER CABLE WITH COLOURED CORES

ESHOP

Construction
Flexible Class 5 fine wire stranding, PVC inner insulation material and transparent PVC outer sheath. Tinned copper braid screen with high coverage.

Minimum Bending Radius
» Flexing: 20 x cable OD
» Fixed: 6 x cable OD

Temperature Rating
» Flexing: -5°C to 70°C
» Fixed: -40°C to 80°C

Nominal Voltage
» Flexing<= 1.0mm 300/500V
>= 1.5mm 450/750V
» Fixed>= 1.5mm 0.6/1kV

Part No.	Conductor	OD (mm)	Suitable Gland
3G (2 Core + Earth)			
0035458	1.5mm	8.9	M20 EMC
0035011	2.5mm	10.3	M20 EMC
4G (3 Core + Earth) Brown, Black, Grey, Green/Yellow			
00352223	1.0mm	8.7	M20 EMC
00354593	1.5mm	9.6	M20 EMC
00350173	2.5mm	11.3	M25 EMC
00350183	4mm	13.4	M25/M32 EMC
00350193	6mm	15.8	M32 EMC
00350213	10mm	19.5	M40 EMC
00350223	16mm	22.7	M40 EMC

3G (2G+E)

4G (3G+E)

ÖLFLEX® 110 BLACK

POWER CABLE FOR VARIOUS APPLICATIONS WITH NUMBERED CORES 0.6/1KV

ESHOP

Construction
Class 5 fine-wire strand made of bare copper wires, PVC insulation LAPP P8/1, UV resistant PVC outer sheath, black (RAL 9005)

Minimum Bending Radius
» Flexing: 15 x cable OD
» Fixed: 4 x cable OD

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 0.6/1kV
Test Voltage
» 4000 V

Part No.	Cores	Conductor	Description	OD (mm)
0.75mm				
1120235	4	0.75mm	3 Core + Earth	9.2
1120241	7	0.75mm	6 Core + Earth	10.7
1120248	12	0.75mm	11 Core + Earth	13.4
1120251	18	0.75mm	17 Core + Earth	15.4
1mm				
1120267	3	1mm	2 Core + Earth	9
1120269	4	1mm	3 Core + Earth	9.6
1120270	4	1mm	4 Core (No Earth)	9.6
1120271	5	1mm	4 Core + Earth	10.4
1120274	7	1mm	6 Core + Earth	11.1
1120280	12	1mm	11 Core + Earth	14
1120284	18	1mm	17 Core + Earth	16.1
1.5mm				
1120307	3	1.5mm	2 Core + Earth	10.1
1120309	4	1.5mm	3 Core + Earth	10.8
1120311	5	1.5mm	4 Core + Earth	11.7

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm				
1120314	7	1.5mm	6 Core + Earth	12.6
1120320	12	1.5mm	11 Core + Earth	16.1
1120324	18	1.5mm	17 Core + Earth	18.8
1120328	25	1.5mm	24 Core + Earth	21.7
2.5mm				
1120340	3	2.5mm	2 Core + Earth	11.3
1120342	4	2.5mm	3 Core + Earth	12.2
1120344	5	2.5mm	4 Core + Earth	13.3
1120346	7	2.5mm	6 Core + Earth	14.4
1120349	12	2.5mm	11 Core + Earth	18.7
4mm				
1120360	4	4mm	3 Core + Earth	13.8
1120361	5	4mm	4 Core + Earth	15.1
6mm				
1120366	4	6mm	3 Core + Earth	15.1
1120367	5	6mm	4 Core + Earth	16.8
10mm				
1120370	4	10mm	3 Core + Earth	18.7
16mm				
1120374	4	16mm	3 Core + Earth	21.3

ÖLFLEX® 110 CY BLACK (EMC/SCREENED)

UV RESISTANT SCREENED POWER CABLE WITH NUMBERED CORES 0.6/1KV

ESHOP

Construction
Class 5 fine-wire strand made of bare copper wires, PVC insulation LAPP P8/1, UV resistant PVC inner sheath, black, Tinned-copper braiding, PVC outer sheath, black (RAL 9005)

Minimum Bending Radius
» Flexing: 20 x cable OD
» Fixed: 6 x cable OD

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 0.6/1kV
Test Voltage
» 4000 V

Part No.	Cores	Conductor	Description	OD (mm)
0.75mm				
1121232	2	0.75mm	2 Core (No Earth)	10.5
1mm				
1121267	3	1mm	2 Core + Earth	11.2
1121269	4	1mm	3 Core + Earth	11.8
1121271	5	1mm	4 Core + Earth	12.6
1121274	7	1mm	6 Core + Earth	13.3
1121280	12	1mm	11 Core + Earth	16.4
1121284	18	1mm	17 Core + Earth	18.7
1121290	25	1mm	24 Core + Earth	21.6
1.5mm				
1121306	2	1.5mm	2 Core (No Earth)	11.8
1121307	3	1.5mm	2 Core + Earth	12.3
1121309	4	1.5mm	3 Core + Earth	13
1121311	5	1.5mm	4 Core + Earth	13.9
1121314	7	1.5mm	6 Core + Earth	15

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm				
1121320	12	1.5mm	11 Core + Earth	18.7
1121324	18	1.5mm	17 Core + Earth	21.8
1121328	25	1.5mm	24 Core + Earth	25.1
2.5mm				
1121340	3	2.5mm	2 Core + Earth	13.5
1121342	4	2.5mm	3 Core + Earth	14.6
1121344	5	2.5mm	4 Core + Earth	15.7
1121346	7	2.5mm	6 Core + Earth	17
1121349	12	2.5mm	11 Core + Earth	21.7
4mm				
1121360	4	4mm	3 Core + Earth	16.2
1121361	5	4mm	4 Core + Earth	17.7
6mm				
1121367	4	6mm	3 Core + Earth	17.7
1121368	5	6mm	4 Core + Earth	19.2

LAPP Harnessing Solutions
Cable Assemblies, Servo Assemblies and Cable Chains

VSD ECO BLACK

DOUBLE EMC SCREENED CABLE WITH ALUMINIUM FOIL

ESHOP

Conductors
» Flexible Class 5 fine wire stranding of bare copper
Core Insulation
» V-90 according to AS/NZS 3808
Core Colour
» Red, White, Blue, Green/Yellow

Screening
» 1st: Aluminium foil
» 2nd Tinned copper wire braiding
Outer Sheath
» UV Resistant PVC
Sheath Colour
» Black

Nominal Voltage
» U0/U: 0.6/1 kV
Test Voltage
» 3500V
Minimum Bending Radius
» 15 x cable diameter (occasional flexing)
» 4 x cable diameter (fixed installation)

Temperature Range
» -15°C to +90°C
Flame Retardant
» In acc. to IEC 60332-1-2
Standards
» In acc. to AS/NZS 5000.1

Item No	Conductor	Cable OD	Suitable Gland
Single Earth			
810004000	4G 1.5mm	12.4	M25 EMC
810004002	4G 2.5mm	13.5	M25 EMC
810004003	4G 4mm	15.8	M25 EMC
Split Earth			
810004004	3X6 + 3G1.5	17.3	M32 EMC
810004005	3X10 + 3G1.5	18.9	M32 EMC
810004006	3X16 + 3G2.5	21.2	M40 EMC
810004007	3X25 + 3G4	25.2	M40 EMC
810004008	3X35 + 3G6	28.0	M50 EMC
810004009	3X50 + 3G10	33.0	M50 EMC
810004010	3X70 + 3G10	36.5	M63 EMC
810004011	3X95 + 3G16	41.3	M63 EMC
810004012	3X120 + 3G16	45.3	M63 EMC Plus

SINGLE EARTH

SPLIT EARTH

ULTRA SCREEN VSD BLACK

DOUBLE EMC SCREENED CABLE WITH 100% SCREEN COVERAGE

ESHOP

Conductors
Fine strands of bare copper wire acc. to IEC 60228 resp. VDE 0295, Class 5
Core Insulation
PVC
Core Colours
Red, White, Blue, Green/Yellow
Screening
1st: Pure copper foil
2nd Tinned copper wire braiding
Outer Sheath
UV Resistant PVC
Sheath Colour
Black

Rated Voltage
0.6/1kV
Test Voltage
4 kV
Min. Bending Radius
4 x cable diameter (fixed installation)
Temperature Range
Enhanced: -20°C to 90°C
Flame Retardant
In acc. to IEC 60332-1-2

Part No.	Conductor	OD (mm)	Suitable Gland
Single Earth			
3804245A	4G 1.5mm	13.3	M25 EMC
3804246A	4G 2.5mm	14	M25 EMC
3804247A	4G 4mm	16.5	M32 EMC
Split Earth			
3804269A	3x6 + 3x1.5mm	17	M32 EMC
3804261A	3x10 + 3x1.5mm	19	M32 EMC
3804270A	3x16 + 3x2.5mm	22	M40 EMC
3804263A	3x25 + 3x4mm	25.5	M40 EMC
3804264A	3x35 + 3x6mm	29	M50 EMC
3804265A	3x50 + 3x10mm	36	M63 EMC

SINGLE EARTH

SPLIT EARTH

SUBMERSIBLE SCREENED TINNED RUBBER

HEAVY DUTY RUBBER CABLE SUBMERSIBLE TO 500M AND SCREENED

ESHOP

Construction
- Flexible Class 5 fine wire stranding of tinned copper
- Core insulation: Rubber compound
- Outer sheath: Rubber compound
- Tinned-copper braiding

Minimum Bending Radius
- 8 x cable diameter (occasional flexing)
- 3 x cable diameter (fixed installation)

Core Colours
- 4 Core – Brown, Black, Grey, Green/Yellow
- 4 Core + Pilots - Brown, Black, Grey, Green /Yellow + Black with white numbers

Temperature Rating
- Flexing: -15°C to +90°C
- Fixed installation:- 40°C to +90°C

Nominal Voltage
- U0/U: 0.6/1kV

Test Voltage
- 3500 V

Standards
- AS/NZS 5000.1
- AS/NZS 3808
- EN 50525-2-21

Item No	Conductor Size	OD (mm)
	3 Core + Earth	
810001149	4G 1.5mm	14.9
810001150	4G 2.5mm	16.3
810001151	4G 4mm	17.8
810001152	4G 6mm	20
810001153	4G 10mm	27.5
810001154	4G 16mm	31
	3 Core + Earth + Pilots	
810001192	4G 10mm + 4 x 1.5mm	29.7
810001193	4G 16mm + 4 x 1.5mm	31.9
810001194	4G 25mm + 4 x 2.5mm	36.4
810001195	4G 35mm + 4 x 2.5mm	40.7

SUBMERSIBLE TINNED RUBBER

HEAVY DUTY RUBBER CABLE SUBMERSIBLE TO 500M

ESHOP

Construction
- Flexible Class 5 fine wire stranding of tinned copper
- Outer sheath: Rubber compound
- Core insulation: Rubber compound

Minimum Bending Radius
- 6 x cable diameter (occasional flexing)
- 3 x cable diameter (fixed installation)

Temperature Rating
- Flexing: -25°C to +90°C
- Fixed installation: -40°C to +90°C

Nominal Voltage
- U0/U: 0.6/1kV

Test Voltage
- 2500 V

Standards
- AS.NZS 5000.1
- AS/NZS 3808
- EN 50525-2-21
- IEC 60245-4

Item No	Cores	Description	OD (mm)
		Single-Core	
810001006	1	16mm	13.4
810001007	1	25mm	15.8
810001008	1	35mm	17.9
810001009	1	50mm	20.6
810001010	1	70mm	23.3
810001011	1	95mm	26.0
		Multi-Core 1mm	
810001032	3	2 Core + Earth	10.7
810001048	4	3 Core + Earth	11.9
810001064	5	4 Core + Earth	13.1
		Multi-Core 1.5mm	
810001021	2	2 Core (No Earth)	11
810001033	3	2 Core + Earth	11.9
810001049	4	3 Core + Earth	13.1
810001065	5	4 Core + Earth	14.4
		Multi-Core 2.5mm	
810001022	2	2 Core (No Earth)	13.1
810001034	3	2 Core + Earth	14
810001050	4	3 Core + Earth	15.5
810001066	5	4 Core + Earth	17
		Multi-Core 4mm	

Item No	Cores	Description	OD (mm)
810001023	2	2 Core (No Earth)	15.1
810001035	3	2 Core + Earth	16.2
810001051	4	3 Core + Earth	17.9
810001067	5	4 Core + Earth	19.9
		Multi-Core 6mm	
810001024	2	2 Core (No Earth)	16.8
810001036	3	2 Core + Earth	18
810001052	4	3 Core + Earth	20
810001068	5	4 Core + Earth	22.2
		Multi-Core 10mm	
810001037	3	2 Core + Earth	24.2
810001053	4	3 Core + Earth	26.5
810001069	5	4 Core + Earth	29.1
		Multi-Core 16mm	
810001038	3	2 Core + Earth	27.6
810001054	4	3 Core + Earth	30.1
810001070	5	4 Core + Earth	33.3
		Multi-Core 25mm	
810001055	4	3 Core + Earth	36.6
810001071	5	4 Core + Earth	40.4
		Multi-Core 35mm	
810001072	5	4 Core +Earth	45.1

H07RN-F RUBBER SERIES

HEAVY DUTY FLEX WITH COLOURED CORES

ESHOP

Construction
Flexible Class 5 fine wire stranding, rubber inner insulation material and black neoprene rubber outer sheath.

Minimum Bending Radius
- Flexing: 6 x cable OD
- Fixed: 6 x cable OD

Temperature Rating
- Flexing: -25°C to 60°C
- Fixed: -25°C to 60°C

Nominal Voltage
- 450/750V (flexible use)
- 0.6/1kV (fixed and protected)

Part No.	Conductor Size	Description	Conductor Colours	OD (mm)
		2 Core (No Earth)		
393807121	1.5mm	2 Core (No Earth)	Blue, Brown	9.5
393807122	2.5mm	2 Core (No Earth)	Blue, Brown	11.5
393807123	4mm	2 Core (No Earth)	Blue, Brown	13
		3 Core (2 Core + Earth)		
393807140	1mm	2 Core + Earth	Blue, Brown, Green/Yellow	7.5
393807141	1.5mm	2 Core + Earth	Blue, Brown, Green/Yellow	10.5
393807142	2.5mm	2 Core + Earth	Blue, Brown, Green/Yellow	11.9
393807143	4mm	2 Core + Earth	Blue, Brown, Green/Yellow	13.9
393807144	6mm	2 Core + Earth	Blue, Brown, Green/Yellow	14.4
		4 Core (3 Core + Earth)		
393807161	1.5mm	3 Core + Earth	Brown, Black, Grey, Green/Yellow	11.3
393807162	2.5mm	3 Core + Earth	Brown, Black, Grey, Green/Yellow	13.4
393807163	4mm	3 Core + Earth	Brown, Black, Grey, Green/Yellow	15.4
393807164	6mm	3 Core + Earth	Brown, Black, Grey, Green/Yellow	17.3
		5 Core (4 Core + Earth)		
393807181	1.5mm	4 Core + Earth	Brown, Black, Grey, Blue, Green/Yellow	12.7
393807182	2.5mm	4 Core + Earth	Brown, Black, Grey, Blue, Green/Yellow	15.2
393807183	4mm	4 Core + Earth	Brown, Black, Grey, Blue, Green/Yellow	17.6
393807184	6mm	4 Core + Earth	Brown, Black, Grey, Blue, Green/Yellow	18.8
		7 Core (6 Core + Earth)		
1600152	2.5mm	6 Core + Earth	Black with White Numbers	19.3
		12 Core (11 Core + Earth)		
1600148	1.5mm	11 Core + Earth	Black with White Numbers	19.8

2 CORE (NO EARTH)

3 CORE (2 CORE + EARTH)

4 CORE (3 CORE + EARTH)

5 CORE (4 CORE + EARTH)

H05RN-F RUBBER SERIES

MEDIUM DUTY FLEX WITH COLOURED CORES

ESHOP

Construction
Flexible Class 5 fine wire stranding, rubber type EI4 inner insulation material and rubber type EM2 outer sheath, black

Minimum Bending Radius
- Flexing: 6 x cable OD
- Fixed: 6 x cable OD

Temperature Rating
- Flexing: -25°C to 60°C
- Fixed: -25°C to 60°C

Nominal Voltage
300/500V

Part No.	Cores	Conductor	Description	OD (mm)
		0.75mm		
393808220	2	0.75mm	2 Core (No Earth)	7.4
393808230	3	0.75mm	2 Core + Earth	8.1
		1mm		
393808221	2	1mm	2 Core (No Earth)	8

H07RN-F ENHANCED RUBBER SERIES

HEAVY DUTY FLEX WITH COLOURED CORES SUBMERSIBLE TO 100M

ESHOP

Construction
Flexible Class 5 fine wire stranding, core insulation and outer sheath made of special rubber compound

Minimum Bending Radius
- Flexing: 6 x cable OD
- Fixed: 4 x cable OD

Temperature Rating
- Flexing: -40°C to 90°C
- Fixed: -50°C to 90°C

Nominal Voltage
- 450/750V

Part No.	Cores	Conductor	Description	OD (mm)
		1.5mm		
4533029	3	1.5mm	2 Core + Earth	11.9
4533063	4	1.5mm	3 Core + Earth	13.1
		2.5mm		
4533031	3	2.5mm	2 Core + Earth	14
4533065	4	2.5mm	3 Core + Earth	15.5
4533095	5	2.5mm	4 Core + Earth	17
		4mm≥		
4533067	4	4mm	3 Core + Earth	17.9
4533069	4	6mm	3 Core + Earth	20
4533073	4	16mm	3 Core + Earth	30.1

V90HT APPLIANCE WIRE

TINNED CONDUCTORS WITH 1000V RATING

ESHOP

Construction
» Flexible Class 5 fine wire stranding, PVC insulation, tinned copper conductor.

Temperature Rating
» -20°C to +105°C

Nominal Voltage
» 600/1000V

Test Voltage
» 3000V

Conductor	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²	4mm²	6mm²	10mm²	16mm²
Cable OD	2.55mm	2.75mm	2.95mm	3.25mm	3.7mm	4.3mm	4.9mm	6.5mm	8.4mm
Earth	3801000	3801010	3801020	3801030	3801040	3801050	3801060	3801070	
Black	3801001	3801011	3801021	3801031	3801041	3801051	3801061	3801071	3801081
Red	3801004	3801014	3801024	3801034	3801044	3801054	3801064	3801074	3801084
White	3801005	3801015	3801025	3801035	3801045	3801055	3801065	3801075	3801085
Blue	38010014	38010114	38010214	38010314	38010414	38010514	38010614	3801072	3801082
Brown	3801003	3801013	3801023	3801033	3801043	3801053	3801063		3801083
Grey	3801006	3801016	3801026	3801036	3801046	3801056			
Orange	3801009	3801019	3801029	3801039	3801049				
Violet	3801007	3801017	3801027	3801037	3801047				
Pink	3801008	3801018	3801028	3801038	3801048				
Yellow	38010011	38010111	38010211	38010311	38010411				

CURRENT RATINGS FOR V90HT APPLIANCE WIRE

Conductor cross-sectional area	Unenclosed						Enclosed		Single Phase Voltage Drop
	Spaced		Spaced from surface		Touching		Conduit in air		
mm²	A	A	A	A	A	A	A	A	mV/A/m
1	18	18	18	15	14	14	14	12	54
1.5	23	22	23	19	18	18	14	15	34.6
2.5	33	32	32	28	25	25	18	22	18.9
4	44	42	43	36	34	34	24	29	11.7
6	56	54	54	46	44	44	33	37	7.9
10	76	74	74	64	59	59	42	52	4.7
16	101	98	98	85	79	79	58	68	2.9

These ratings are based on an ambient air temperature of 30º C, and an ambient soil temperature of 15º C at 0.5m depth.

LSZH TINNED APPLIANCE WIRE 110 DEGREE

LOW SMOKE, HALOGEN-FREE, HIGH TEMPERATURE, FLAME RETARDANT FLEXIBLE CABLES

ESHOP

Construction
Flexible tinned copper wire stranding class 5 (0,5-10mm²), or class 6 (16mm² and more) according to IEC 60228 and AS/NZS 1125.

Insulation
Cross-linked, halogen-free, flame retardant compound type X-HF-110 acc. to AS/NZS 3808, chemical, oil and UV resistant.

Applications
Wiring of switchboards, control, general wiring, instrumentation and communication systems. Used where LSZH is needed and where higher current ratings are required.

Nominal Voltage
» 600/1000V

Test Voltage
» 3000V

Temperature Rating
» 110°C

Standards
» **Cable Construction**: AS/NZS 5000.1
» **Flame retardant**: AS/NZS 1660.5.1; IEC 60332-3-22 Cat. A; IEC 60332-1
» **Smoke density**: AS/NZS 1660.5.2; IEC 61034-2
» **Halogen acid gas content**: AS/NZS 1660.5.3, IEC 60754-1
» **Gases evolved during combustion**: AS/NZS 1660.5.4, IEC 60754-2

Conductor	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²	4mm²	6mm²	10mm²	16mm²
Cable OD	2.3mm	2.5mm	2.6mm	2.9mm	3.4mm	3.9mm	4.4mm	5.4mm	6.4mm
Earth	3801000-LSZH	3801010-LSZH	3801020-LSZH	3801030-LSZH	3801040-LSZH	3801050-LSZH	3801060-LSZH	136326	136327
Black	3801001-LSZH	3801011-LSZH	3801021-LSZH	3801031-LSZH	3801041-LSZH	3801051-LSZH	3801061-LSZH	3801071-LSZH	3801081-LSZH
Red	3801004-LSZH	3801014-LSZH	3801024-LSZH	3801034-LSZH	3801044-LSZH	3801054-LSZH	3801064-LSZH	3801074-LSZH	3801084-LSZH
White	3801005-LSZH	3801015-LSZH	3801025-LSZH	3801035-LSZH	3801045-LSZH	3801055-LSZH	3801065-LSZH	3801075-LSZH	3801085-LSZH
Blue	3801002-LSZH	3801012-LSZH	3801022-LSZH	3801032-LSZH	3801042-LSZH	3801052-LSZH	3801062-LSZH	3801072-LSZH	3801082-LSZH
Brown	3801003-LSZH	3801013-LSZH	3801023-LSZH	3801033-LSZH	3801043-LSZH				
Grey	3801006-LSZH	3801016-LSZH	3801026-LSZH	3801036-LSZH	3801046-LSZH				
Orange	3801009-LSZH	3801019-LSZH	3801029-LSZH	3801039-LSZH					
Violet	3801007-LSZH	3801017-LSZH	3801027-LSZH	3801037-LSZH					
Pink	3801008-LSZH	3801018-LSZH	3801028-LSZH	3801038-LSZH					
Yellow	38010011-LSZH	38010111-LSZH	38010211-LSZH	38010311-LSZH					

CURRENT RATINGS FOR 110 APPLIANCE WIRE

Conductor cross-sectional area	Unenclosed						Enclosed	
	Spaced		Spaced from surface		Touching		Conduit in air	
mm²	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	27	26	26	22	21	21	21	18
1.5	34	33	33	29	27	27	27	24
2.5	48	46	47	41	39	39	37	34
4	63	61	62	54	50	50	49	44
6	80	78	78	67	63	63	62	55
10	112	106	106	92	87	87	83	76
16	144	139	139	123	112	112	112	100

These ratings are based on an ambient air temperature of 30º C, and an ambient soil temperature of 15º C.

CABLE FERRULES

INSULATED FERRULES (SINGLE AND DOUBLE ENTRY)

ESHOP

Item No	Colour	Wires	Conductor Size	Pin Length	Pack Size
			Standard Loose		
61721866	Light Blue	Single	0.25	6mm	500
61721868	Turquoise	Single	0.34	6mm	500
61801590	White	Single	0.5	8mm	500
61801630	Grey	Single	0.75	8mm	500
61801670	Red	Single	1	8mm	500
61801710	Black	Single	1.5	8mm	500
61801750	Blue	Single	2.5	8mm	500
61801780	Grey	Single	4	10mm	500
61801810	Yellow	Single	6	12mm	100
61801830	Red	Single	10	12mm	100
61801850	Blue	Single	16	12mm	100
61801870	Yellow	Single	25	16mm	50
61801900	Red	Single	35	16mm	50
61801930	Blue	Single	50	20mm	50
61801950	Yellow	Single	70	20mm	25
61801970	Red	Single	95	25mm	25
61801980	Blue	Single	120	27mm	25
61801990	Yellow	Single	150	32mm	25
			XL Loose		
61802061	White	Single	0.5	8mm	500
61802063	Grey	Single	0.75	8mm	500
61802065	Red	Single	1	8mm	500
61802067	Black	Single	1.5	8mm	500
			Strips		
61805170	White	Single	0.5	8mm	5x 100
61805180	Grey	Single	0.75	8mm	5x 100
61805190	Red	Single	1	8mm	5x 100
61805200	Black	Single	1.5	8mm	5x 100
61802052	White	Single	0.5	8mm	1x 3000
61802054	Grey	Single	0.75	8mm	1x 3000
61802056	Red	Single	1	8mm	1x 3000
61802058	Black	Single	1.5	8mm	1x 2500
61802060	Blue	Single	2.5	8mm	1x 1500
			Double Wire		
61801999	White	Double	0.5	8mm	500
61802000	Grey	Double	0.75	8mm	500
61802010	Red	Double	1	8mm	500
61802020	Black	Double	1.5	8mm	500
61802030	Blue	Double	2.5	10mm	500
61802032	Grey	Double	4	12mm	100
61802033	Yellow	Double	6	14mm	100
61802034	Red	Double	10	14mm	100
			Assorted Packs		
61802040	Single	30 x 0.25mm + 30 x 0.34mm + 30 x 0.5mm + 30 x 0.75mm + 30 x 1mm			
61802041	Single	50 x 0.5mm + 100 x 0.75mm + 100 x 1mm + 100 x 1.5mm + 50 x 2.5mm			
61802042	Single	40 x 4mm + 20 x 6mm + 20 x 10mm + 10 x 16mm			
61802046	Double	Double Ferrules : 50 x 0.75mm + 50 x 1mm + 50 x 1.5mm + 50 x 2.5mm			

Standard Loose

XL Loose

STRIPS

Double Wire

Assorted Packs

FERRULE & STRIP TOOLS

QUALITY TOOLS FOR CRIMPING

ESHOP

61813742

61813737

61735800

Item No	Type	Features	Conductor Size	Weight	Crimp Type
61813742	PEW 8.87	Heavy and Robust (Front Entry)	0.08mm to 10mm²	475g	Square
61813737	PEW 8.186	Heavy and Robust (Side Entry)	0.08mm to 10mm²	380g	Hex
61735800	Easy Strip 2 including blades	Self-adjusting cutting and stripping tool	0.02 to 10mm²	180g	

SDI R-E-110 LSZH - TINNED SWITCHBOARD FLEX

HIGHLY FLEXIBLE RUBBER POWER CABLE

ESHOP

CONSTRUCTION

Conductors
- Tinned Copper Conductors
- Super Flexible Class 6 Stranding

Insulation
- Orange: R-E-110
- Black: R-E-110
- Earth: X-HF-110

Outer Sheath
- Orange: E-110-R (Flexible Rubber)
- Black: E-110-R (Flexible Rubber)

Colour of Outer Sheath
- Orange or Black or Green/Yellow
- UV Resistant

Application
- Switchboards and transformers
- Mains power distribution
- Portable power feeds
- Flexible copper tails
- Other industrial applications
- LSZH installations

FEATURES, RATINGS & APPROVALS

Temperature Range
- Orange: -25°C to 110°C
- Black: -25°C to 110°C
- Earth: -40°C to 110°C

Voltage Rating
- 0.6/1kV

Features
- Halogen free
- Low Smoke
- Heat resistance
- Oil and chemical resistant
- Flame retardant
- UV and weather resistant

Minimum Bending Radius
- 5 x cable OD

Standards
- AS/NZS 5000.1
- AS/NZS 3808
- AS/NZS 3008
- AS/NZS 1660.5.2, 1660.5.3
- IEC 60228
- IEC 61034-2
- IEC 60754-2
- IEC 60332-1

Part No		Conductor	Cable OD (mm)
		110 LSZH - Single Cores	
ORANGE	BLACK		
LAPP-3806141	TF-G-012568-BK-SN	10mm	9.0
LAPP-3806142	TF-G-012569-BK-SN	16mm	10.3
LAPP-3806143	TF-G-012570-BK-SN	25mm	11.9
LAPP-3806144	TF-G-012571-BK-SN	35mm	13.3
LAPP-3806145	TF-G-022907-BK-SN	50mm	15.0
LAPP-3806146	TF-G-012573-BK-SN	70mm	17.1
LAPP-3806147	TF-G-012574-BK-SN	95mm	19.5
LAPP-3806148	TF-G-012575-BK-SN	120mm	21.5
LAPP-3806149	TF-G-012576-BK-SN	150mm	23.9
LAPP-3806150	TF-G-012577-BK-SN	185mm	26.5
LAPP-3806151	TF-G-012579-BK-SN	240mm	29.3
LAPP-3806152	TF-G-012581-BK-SN	300mm	32.4

Part No	Conductor	Cable OD (mm)
	EARTH - Green Yellow	
TINNED 110°C		
LAPP-3806200	10mm	6.5
LAPP-3806201	16mm	7.0
LAPP-3806202	25mm	8.0
LAPP-3806203	35mm	9.0
LAPP-3806204	50mm	11.0
LAPP-3806205	70mm	13.0
LAPP-3806206	95mm	15.0
LAPP-3806207	120mm	16.0

SDI 90 DEGREE - SWITCHBOARD FLEX

FLEXIBLE BLACK BARE COPPER MAINS POWER CABLE

ESHOP

SDI - BLACK:

Construction
- Flexible Class 5 bare copper
- Double insulated
- XLPE Inner Insulation
- 5V-90 PVC outer sheath

Application
- Suitable for fixed installation mains power distribution
- UV Resistant

Minimum Bending Radius
- PVC Fixed: 4 x cable OD

Voltage Rating
- 600/1000V

Temperature Rating
- -30°C to 90°C

Standards
- AS/NZS 5000.1
- AS/NZS 1125
- AS/NZS 3808

EARTH - GREEN YELLOW:

Construction
- Conductor: Stranded bare copper Class 2
- Core Insulation : PVC V-90

Application
- For fixed installation in power circuits in residential and commercial buildings

Minimum Bending Radius
- Fixed: 4 x cable OD

Voltage Rating
- 600/1000v

Temperature Rating
- -20°C to 90°C

Standards
- AS/NZS 5000.1
- AS/NZS 1125
- AS/NZS 3808

Part No	Conductor	Cable OD (mm)
	SDI - Black	
TF-G-136481	10 mm²	8.2
TF-G-136482	16 mm²	9.3
TF-G-036468	25 mm²	10.9
TF-G-036469	35 mm²	11.9
TF-G-036470	50 mm²	13.8
TF-G-036471	70 mm²	15.8
TF-G-036472	95 mm²	18.1
TF-G-036473	120 mm²	19.4
TF-G-036474	150 mm²	23.5
TF-G-036475	185 mm²	25.3
TF-G-036476	240 mm²	27.6
TF-G-036477	300 mm²	31.3
TF-G-036478	400 mm²	33.8

Part No	Conductor	Cable OD (mm)
	EARTH - Green Yellow	
8100901	4mm	4.7
8100902	6mm	5.2
8100903	10mm	6.2
8100904	16mm	7.2
8100905	25mm	9.0
8100906	35mm	10.1
8100907	50mm	11.9
8100908	70mm	13.7
8100909	95mm	16.0
8100910	120mm	17.6

COPPER CABLE LUGS

FOR SINGLE CORE TERMINATION

ESHOP

Application
- Mainly for connection to busbars and to copper connectors

Features
- Electro Tinned

Benefits
- Manufactured from 99.9% oxygen-free high conductivity Copper
- With inspection Hole

Conductor	Bolt Hole Size (mm)							
	4	5	6	8	10	12	16	Blank
2.5mm²	LUG-S-2.5-4	LUG-S-2.5-5	LUG-S-2.5-6					
4mm²	LUG-S-4-4	LUG-S-4-5	LUG-S-4-6	LUG-S-4-8				
6mm²	LUG-S-6-4	LUG-S-6-5	LUG-S-6-6	LUG-S-6-8				
10mm²		LUG-S-10-5	LUG-S-10-6	LUG-S-10-8	LUG-S-10-10			
16mm²		LUG-S-16-5	LUG-S-16-6	LUG-S-16-8	LUG-S-16-10	LUG-S-16-12		
25mm²			LUG-S-25-6	LUG-S-25-8	LUG-S-25-10	LUG-S-25-12		
35mm²			LUG-S-35-6	LUG-S-35-8	LUG-S-35-10	LUG-S-35-12		
50mm²			LUG-S-50-6	LUG-S-50-8	LUG-S-50-10	LUG-S-50-12		
70mm²				LUG-S-70-8	LUG-S-70-10	LUG-S-70-12		
95mm²				LUG-S-95-8	LUG-S-95-10	LUG-S-95-12		
120mm²				LUG-S-120-8	LUG-S-120-10	LUG-S-120-12		
150mm²				LUG-S-150-8	LUG-S-150-10	LUG-S-150-12		LUG-S-150-B
185mm²					LUG-S-185-10	LUG-S-185-12		LUG-S-185-B
240mm²					LUG-S-240-10	LUG-S-240-12		LUG-S-240-B
300mm²					LUG-S-300-10	LUG-S-300-12	LUG-S-300-16	LUG-S-300-B

BELLMOUTH CABLE LUGS

FOR SINGLE CORE TERMINATION

ESHOP

Application
- Mainly for connection to busbars and to copper connectors

Features
- Designed with a larger cable entry to accommodate strand splaying of a conductor
- Electro Tinned

Benefits
- Manufactured from 99.9% oxygen-free high conductivity Copper
- With inspection Hole

Conductor	Bolt Hole Size (mm)					
	6	8	10	12	16	Blank
25mm²	LUG-BM-25-6	LUG-BM-25-8	LUG-BM-25-10			
35mm²	LUG-BM-35-6	LUG-BM-35-8	LUG-BM-35-10	LUG-BM-35-12		
50mm²		LUG-BM-50-8	LUG-BM-50-10	LUG-BM-50-12		
70mm²		LUG-BM-70-8	LUG-BM-70-10	LUG-BM-70-12		
95mm²		LUG-BM-95-8	LUG-BM-95-10	LUG-BM-95-12		
120mm²		LUG-BM-120-8	LUG-BM-120-10	LUG-BM-120-12		
150mm²		LUG-BM-150-8	LUG-BM-150-10	LUG-BM-150-12		
185mm²			LUG-BM-185-10	LUG-BM-185-12		LUG-BM-185-B
240mm²			LUG-BM-240-10	LUG-BM-240-12		LUG-BM-240-B
300mm²			LUG-BM-300-10	LUG-BM-300-12	LUG-BM-300-16	LUG-BM-300-B

CABLE CRIMP LINKS

FOR JOINING OF IDENTICAL SIZED COPPER CONDUCTORS

ESHOP

Application
- Joining of identical sized copper conductors

Features
- Electro Tinned

Benefits
- Manufactured from 99.9% oxygen-free high conductivity Copper

Conductor	Item No	Conductor	Item No
1.5mm²	LINK-S-1.5	50mm²	LINK-S-50
2.5mm²	LINK-S-2.5	70mm²	LINK-S-70
4mm²	LINK-S-4	95mm²	LINK-S-95
6mm²	LINK-S-6	120mm²	LINK-S-120
10mm²	LINK-S-10	150mm²	LINK-S-150
16mm²	LINK-S-16	185mm²	LINK-S-185
25mm²	LINK-S-25	240mm²	LINK-S-240
35mm²	LINK-S-35	300mm²	LINK-S-300

CABLE LUGS & ACCESSORIES

LUGS FOR SINGLE CORE TERMINATION

ESHOP

Material
Tin plated electrolytic copper

Temperature Rating
- Max temp: 140°C
- Working temp: 90°C

Bolt Hole Size

	4	5	6	8	10	12
4mm²	61796570	61796580	61796590			
6mm²	61796600	61796610	61796620	61796630		
10mm²		61796640	61796650	61796660	61796670	
16mm²		61796690	61796700	61796710	61796720	61796730
25mm²			61796740	61796750	61796760	61796770
35mm²			61796780	61796790	61796800	61796810
50mm²			61796820	61796830	61796840	61796850
70mm²				61796860	61796870	61796880
95mm²				61796890	61796900	61796910
120mm²					61796930	61796940
150mm²						61796960
185mm²						61796990

AS ORANGE CIRCULAR

POWER DISTRIBUTION CABLE FOR FIXED INSTALLATIONS

ESHOP

Core Identification
Class 2 stranded conductors, V90 PVC inner insulation material and UV Resistant 5V-90 PVC outer sheath. Cables are metre marked.

"B" versions have XLPE Insulation

Minimum Bending Radius
» Fixed: 4 x cable OD
» XLPE: 20 x cable diameter

Rated Voltage
» 600/1000V

Temperature Rating
» -20°C to 90°C

Core Identification
» 2 Core + E – Red, Black, Gn/Ye
» 3 Core + E – Red, White, Blue, Gn/Ye
» 4 Core + E – Red, White, Blue, Black, Gn/Ye

Standards
» AS/NZS 5000.1
» AS/NZS 1660.5.6
» EESS Compliant

Part No.	Conductor Size	Earth Size	OD (mm)	Insulation
3 Core (2 Core + Earth)				
3801960	1.5mm	1.5mm	10.5	PVC
3801961	2.5mm	2.5mm	11.4	PVC
3801962	4mm	2.5mm	12.9	PVC
3801963	6mm	2.5mm	13.7	PVC
3801820	10mm	4mm	15.4	PVC
3801820B	10mm	4mm	15.4	XLPE
3801821	16mm	6mm	17.4	PVC
3801821B	16mm	6mm	17.4	XLPE
4 Core (3 Core + Earth)				
3801964	1.5mm	1.5mm	11.3	PVC
3801965	2.5mm	2.5mm	12.4	PVC
3801966	4mm	2.5mm	14.2	PVC
3801967	6mm	2.5mm	15.3	PVC
3801835B	10mm	4mm	17.0	XLPE
3801836B	16mm	6mm	19.6	XLPE

Part No.	Conductor Size	Earth Size	OD (mm)	Insulation
5 Core (4 Core + Earth)				
3801968	1.5mm	1.5mm	12.2	PVC
3801969	2.5mm	2.5mm	13.5	PVC
3801970	4mm	2.5mm	15.5	PVC
3801971	6mm	2.5mm	16.8	PVC
3801855	10mm	4mm	19.1	PVC
3801855B	10mm	4mm	19.1	XLPE
3801856	16mm	6mm	21.7	PVC
3801856B	16mm	6mm	21.7	XLPE
3801857	25mm	6mm	26.1	PVC
3801857B	25mm	6mm	26.1	XLPE
3801858	35mm	10mm	28.7	PVC
3801858B	35mm	10mm	28.7	XLPE
3801859B	50mm	16mm	33.3	XLPE

3 CORE (2 CORE + EARTH)

4 CORE (3 CORE + EARTH)

5 CORE (4 CORE + EARTH)

Conductor cross-sectional area	Unenclosed				Enclosed		Underground Ducts		Three Phase Voltage Drop
	Spaced		Touching		Conduit in air				
mm²	A	A	A	A	A	A	A	A	mV/A/m
1.5	22	18	21	17	16	15	25	22	30
2.5	31	26	30	25	23	21	35	30	16.4
4	42	35	39	33	30	27	46	39	10.2
6	52	46	50	42	39	35	58	49	6.8
10	73	62	68	58	54	48	78	65	4.05
16	97	82	91	78	72	64	100	84	2.55
25	131	111	120	104	100	90	131	109	1.61
35	160	137	148	125	120	105	160	131	1.17
50	194	165	182	154	143	125	188	160	0.87
70	245	211	228	194	177	160	234	200	0.61

These ratings are based on an ambient air temperature of 30°C

FIRE RATED SERIES FR 3013

FIRE RESISTANT POWER & CONTROL CABLE, 0.6/1KV, AS/NZS 5000.1 AS/NZS 3013

ESHOP

Conductors
Flexible bare copper wire stranding; class 5 according to IEC 60228 and AS/NZS 1125 with Glass Mica Tape Flame Barrier.

Insulation
Cross-linked, halogen-free, flame retardant compound type X-HF-110 acc. to AS/NZS 3808

Sheath
Flexible, thermoplastic, low smoke, halogen-free compound having reduced flame propagation when exposed to a fire, type HFS-110-TP acc. to AS/NZS 3808

Colour Of Outer Sheath
» Red

Temperature Rating
» -25 to 110°C

Voltage Rating
» 0.6/1kV

Minimum bending radius
» 8 x cable OD

Standards
» AS/NZS 5000.1
» AS/NZS 3013 / Cat WS52W

Features
» Low Smoke & Halogen Free
» WS52W Fire Rating

Part No.	Cores	Description	Earth	OD (mm)
1.5mm				
810003015	4	3 Core + Earth	1.5mm	13.8
810003016	5	4 Core + Earth	1.5mm	15.1
810003040	6	6 Core (No Earth)	1.5mm	17.8
810003041	10	10 Core (No Earth)	1.5mm	22.5
2.5mm				
810003021	4	3 Core + Earth	2.5mm	14.9
810003022	5	4 Core + Earth	2.5mm	16.2
810003023	6	5 Core + Earth	2.5mm	17.7

Part No.	Cores	Description	Earth	OD (mm)
4mm				
810003024	3	2 Core + Earth	2.5mm	15.7
810003026	5	4 Core + Earth	2.5mm	18.9
6mm				
810003027	3	2 Core + Earth	2.5mm	16.6
810003029	5	4 Core + Earth	2.5mm	20.2
10mm				
810003031	5	4 Core + Earth	4mm	22.8
16mm				
810003033	5	4 Core + Earth	6mm	25.5

INSULATED CABLE LUGS

INSULATED CONNECTIONS

ESHOP

Part No.	Conductor Size	Bolt Size	Colour	Pack Size
Ring Lugs				
63104010	0.25 to 0.75	M3	Green	100
63104020	0.25 to 0.75	M4	Green	100
63104030	0.25 to 0.75	M5	Green	100
63104040	0.5 to 1.5	M3	Red	100
63104050	0.5 to 1.5	M3.5	Red	100
63104060	0.5 to 1.5	M4	Red	100
63104070	0.5 to 1.5	M5	Red	100
63104080	0.5 to 1.5	M6	Red	100
63104160	1.5 to 2.5	M3	Blue	100
63104170	1.5 to 2.5	M4	Blue	100
63104180	1.5 to 2.5	M5	Blue	100
63104190	1.5 to 2.5	M6	Blue	100
63104200	1.5 to 2.5	M8	Blue	100
63104340	4 to 6	M4	Yellow	50
63104350	4 to 6	M5	Yellow	50
63104360	4 to 6	M6	Yellow	50
63104370	4 to 6	M8	Yellow	50
63104380	4 to 6	M10	Yellow	50
Fork Lugs (Standard)				
63105010	0.25 to 0.75	M3	Green	100
63105020	0.25 to 0.75	M4	Green	100
63105050	0.5 to 1.5	M4	Red	100
63105060	0.5 to 1.5	M5	Red	100
63105070	0.5 to 1.5	M6	Red	100
63105130	1.5 to 2.5	M4	Blue	100
63105140	1.5 to 2.5	M5	Blue	100
63105150	1.5 to 2.5	M6	Blue	100
63105210	4 to 6	M4	Yellow	50
63105220	4 to 6	M5	Yellow	50
63105230	4 to 6	M6	Yellow	50
Fork Lugs (Narrow)				
63105040	0.5 to 1.5	M3.5	Red	100
63105110	1.5 to 2.5	M3	Blue	100
63105120	1.5 to 2.5	M3.5	Blue	100
Fork Lugs (Talon)				
63108050	1.5 to 2.5	M5	Blue	100
Pin Lugs				
63107010	0.25 to 0.75		Green	100
63107020	0.5 to 1.5		Red	100
63107040	1.5 to 2.5		Blue	100
63107070	4 to 6		Yellow	50
Circular Connectors				
63110010	0.5 to 1.5		Red	100
63110020	1.5 to 2.5		Blue	100
Connector Sleeve				
63111010	0.5 to 1.5		Red	100
63111020	1.5 to 2.5		Blue	100
Butt Joints				
63106020	0.5 to 1.5		Red	100
63106040	1.5 to 2.5		Blue	100
63106080	4 to 6		Yellow	50
End Joints				
63112010	1.5 to 2.5		Transparent	100
63112020	4 to 6		Transparent	50

Ring Lugs

Fork Lugs (Standard)

Pin Lugs

Circular Connectors

Connector Sleeve

Butt Joints

End Joints

INSULATED LUG CRIMP TOOLS

QUALITY TOOLS FOR CRIMPING

ESHOP

61722050

61722070

Part No.	Description	Conductor Sizes	Weight	Crimp Type
61722050	DSA 0110	0.1 to 1.5mm²	350g	Oval
61722070	CSA 0760	0.5 to 6mm²	220g	Oval

ÖLFLEX® EB

CONTROL CABLE FOR INTRINSICALLY SAFE CIRCUITS WITH NUMBERED CORES

ESHOP

Construction
Class 5 fine-wire strand made of bare copper wires, PVC insulation LAPP p8/1, Cores twisted in layers. UV & weather resistant, flame retardant

Minimum Bending Radius
» Occasional flexing: 15 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Test Voltage
» CORE/CORE: 3000 V

Part No.	Cores	Conductor	Description	OD (mm)
		0.75mm Conductor		
0012420	2	0.75mm	2 Core (No Earth)	5.4
0012430	4	0.75mm	4 Core (No Earth)	6.2
0012423	7	0.75mm	7 Core (No Earth)	7.3
0012425	12	0.75mm	12 Core (No Earth)	9.9
0012427	18	0.75mm	18 Core (No Earth)	11.7
		1.5mm Conductor		
0012501	3	1.5mm	2 Core + Earth	6.7
0012502	4	1.5mm	3 Core + Earth	7.2
0012504	7	1.5mm	6 Core + Earth	9.2
0012505	12	1.5mm	11 Core + Earth	12

ÖLFLEX® EB CY (EMC/SCREENED)

CONTROL CABLE FOR INTRINSICALLY SAFE CIRCUITS

ESHOP

Construction
Class 5 fine-wire strand made of bare copper wires, PVC insulation LAPP P8/1, Cores twisted in layers, Plastic foil wrapping, Tinned-copper braiding, Outer sheath: PVC, sky blue similar to RAL 5015. UV & weather resistant, flame retardant.

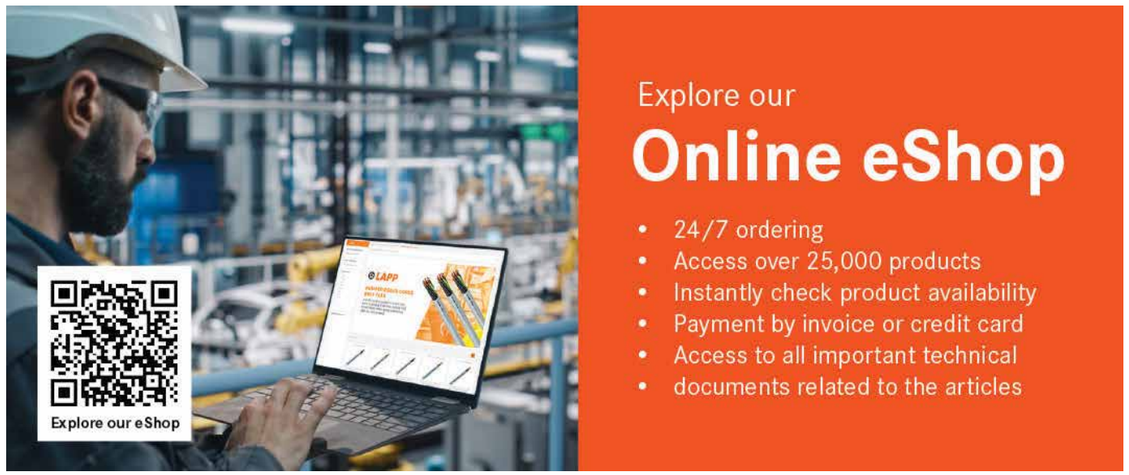
Minimum Bending Radius
» Occasional flexing: 20 x OD
» Fixed installation: 6 x OD

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Test Voltage
» CORE/SCREEN: 2000 V

Part No.	Cores	Conductor	Description	OD (mm)
		0.75mm Conductor		
0012640	2	0.75mm	2 Core (No Earth) + Screen	6.2
0012641	3	0.75mm	3 Core (No Earth) + Screen	6.5
0012642	4	0.75mm	4 Core (No Earth) + Screen	7
0012644	7	0.75mm	7 Core (No Earth) + Screen	8.3
0012645	12	0.75mm	12 Core (No Earth) + Screen	10.9
0012646	18	0.75mm	18 Core (No Earth) + Screen	12.7
		1.5mm Conductor		
0012660	2	1.5mm	2 Core (No Earth) + Screen	7.1
0012661	3	1.5mm	3 Core (No Earth) + Screen	7.5
0012662	5	1.5mm	5 Core (No Earth) + Screen	8.9
0012663	7	1.5mm	7 Core (No Earth) + Screen	9.9
0012664	12	1.5mm	12 Core (No Earth) + Screen	13



ÖLFLEX POWER LSZH DISTRIBUTION POWER CABLE

WHAT'S SO SPECIAL ABOUT THE NEW LAPP POWER LSZH CABLE?

It was once true that the electrical and mechanical performance of LSZH cables was inferior to that of their traditional counterparts, but this is far less true today.

Built to perform in rough environments - LAPP have developed an enhanced LSZH cable that provides the fire retardant properties of PVC and FEP materials.

This cable is also a great fit for Green Star Builds as the cable has no PVC compounds, superseding PVC Best Practice cables and offers contractors another option to meet these project requirements.

This is the modern cable alternative for contractors, consultants, and engineers who want next-level safety and reliability.

ÖLFLEX POWER LSZH POWER CABLE

LOW SMOKE, HALOGEN FREE, POWER DISTRIBUTION CABLE FOR FIXED INSTALLATIONS

ESHOP

Construction
» Conductors: Flexible Class 5 Stranded to AS/NZS 1125
» Core Insulation: Halogen free compound X-HF-90
» Sheath: Halogen free compound HFS-90-TP

Nominal Voltage
» 600/1000V

Temperature Rating
» -25°C to 90°C

Minimum Bending Radius
» 6 x D for conductor sizes 6mm² and below
» 8 x D for conductor sizes 10mm² and above

Standards
» Cable Construction: AS/NZS 5000.1
» Flammability : AS/NZS 1660.5.6
» Smoke Density : AS/NZS 1660.5.2
» Halogen Free : AS/NZS 1660.5.4
» UV-resistance : ISO 4892-2 method A

Item No	Conductors	Earth Size	Rating	OD
		3 Core (2 Core + earth)		
3805392	1.5mm	1.5mm	600/1000V	10.5mm
3805394	2.5mm	2.5mm	600/1000V	11.3mm
3805397	4mm	4mm	600/1000V	12.7mm
3805400	6mm	6mm	600/1000V	13.9mm
3805403	10mm	10mm	600/1000V	16.1mm
3805406	16mm	16mm	600/1000V	18.2mm
		4 Core (3 Core + Earth)		
3805393	1.5mm	1.5mm	600/1000V	11.2mm
3805395	2.5mm	2.5mm	600/1000V	12.2mm
3805398	4mm	4mm	600/1000V	13.8mm
3805401	6mm	6mm	600/1000V	15.1mm
3805404	10mm	10mm	600/1000V	17.5mm
3805407	16mm	16mm	600/1000V	20.0mm
		5 Core (4 Core + Earth)		
3805423	1.5mm	1.5mm	600/1000V	12.1mm
3805396	2.5mm	2.5mm	600/1000V	13.1mm
3805399	4mm	4mm	600/1000V	14.9mm
3805402	6mm	6mm	600/1000V	16.4mm
3805405	10mm	10mm	600/1000V	19.1mm
3805408	16mm	16mm	600/1000V	21.8mm
3805410	25mm	25mm	600/1000V	27.2mm
3805412	35mm	35mm	600/1000V	31.1mm
3805414	50mm	50mm	600/1000V	37.5mm
3805416	70mm	70mm	600/1000V	43.9mm
3805418	95mm	95mm	600/1000V	49.4mm

3 Core
(2 Core + Earth)

4 Core
(3 Core + Earth)

5 Core
(4 Core + Earth)

ÖLFLEX® 128 H BK

LOW SMOKE HALOGEN-FREE POWER CABLE, WITH IMPROVED FIRE CHARACTERISTICS

ESHOP

Construction
» Fine-wire strand made of bare copper wires.
» Core insulation: Halogen-free.
» Outer sheath: Special halogen-free compound, black.
» UV & weather resistant

Minimum Bending Radius
» Occasional flexing: 15 x OD
» Fixed installation: 4 x OD

Core identification code:
» Up to 5 cores: colour-coded according to VDE 0293-308
» From 6 cores: black with white numbers

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 0.6/1kV

Test Voltage
» 4000V

Part No.	Cores	Conductor	Description	OD (mm)
1mm				
1123520	2	1mm	2 Core (No Earth)	7.4
1123521	3	1mm	2 Core + Earth	7.8
1123522	4	1mm	3 Core + Earth	8.4
1123523	5	1mm	4 Core + Earth	9.2
1123524	7	1mm	6 Core + Earth	9.9
1123525	12	1mm	11 Core + Earth	12.8
1.5mm				
1123528	2	1.5mm	2 core (no earth)	8.4
1123529	3	1.5mm	2 Core + Earth	8.9
1123530	4	1.5mm	3 Core + Earth	9.6
1123531	5	1.5mm	4 Core + Earth	10.5
1123532	7	1.5mm	6 Core + Earth	11.4
1123533	12	1.5mm	11 Core + Earth	15.1

Part No.	Cores	Conductor	Description	OD (mm)
2.5mm				
1123537	3	2.5mm	2 Core + Earth	10.1
1123538	4	2.5mm	3 Core + Earth	11
1123539	5	2.5mm	4 Core + Earth	12.1
1123541	12	2.5mm	11 Core + Earth	17.9
4mm				
1123545	4	4mm	3 Core + Earth	12.5
1123546	5	4mm	4 Core + Earth	13.7
6mm				
1123548	4	6mm	3 Core + Earth	13.9

ÖLFLEX® 128 CH BK

SCREENED LOW SMOKE HALOGEN-FREE POWER CABLE, WITH IMPROVED FIRE CHARACTERISTICS

ESHOP

Construction
Fine-wire strand made of bare copper wires. Core insulation: Halogen-free. Halogen-free plastic foil wrapping. Tinned-copper braiding. Outer sheath made of special halogen-free compound, black. UV & weather resistant

Minimum Bending Radius
» Occasional flexing: 20 x OD
» Fixed installation: 6 x OD

Core Identification Code:
» Up to 5 cores: colour-coded according to VDE 0293-308
» From 6 cores: black with white numbers

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 0.6/1kV

Test Voltage
» Core/core: 4000 V
» Core/screen: 2000 V

Part No.	Cores	Conductor	Description	OD (mm)
1mm				
1123557	2	1mm	2 Core (No Earth)	8.2
1123558	3	1mm	2 Core + Earth	8.6
1123559	4	1mm	3 Core + Earth	9.2
1123560	5	1mm	4 Core + Earth	10
1123561	7	1mm	6 Core + Earth	10.7
1123562	12	1mm	11 Core + Earth	14
1.5mm				
1123565	2	1.5mm	2 Core (No Earth)	9.2
1123566	3	1.5mm	2 Core + Earth	9.7
1123567	4	1.5mm	3 Core + Earth	10.4
1123568	5	1.5mm	4 Core + Earth	11.3
1123569	7	1.5mm	6 Core + Earth	12.2
1123570	12	1.5mm	11 Core + Earth	16.3

Part No.	Cores	Conductor	Description	OD (mm)
2.5mm				
1123574	3	2.5mm	2 Core + Earth	10.9
1123575	4	2.5mm	3 Core + Earth	11.8
1123576	5	2.5mm	4 Core + Earth	12.9
1123577	7	2.5mm	6 Core + Earth	14.4
4mm				
1123582	4	4mm	3 Core + Earth	13.5
1123583	5	4mm	4 Core + Earth	14.9
6mm				
1123585	4	6mm	3 Core + Earth	15.1

ÖLFLEX® CLASSIC 128 H BK SC

LOW SMOKE HALOGEN-FREE SINGLE CORE POWER CABLE WITH IMPROVED FIRE CHARACTERISTICS

ESHOP

Construction
» Fine-wire strand made of bare copper wires.
» Core insulation: Halogen-free.
» Outer sheath: Special halogen-free compound, black
» UV & weather resistant

Minimum Bending Radius
» Occasional flexing: 15 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 0.6/1kV

Part No.	Conductor	OD (mm)
1123800	16mm	9.6
1123801	25mm	11.3
1123802	35mm	12.5
1123803	50mm	15.1

Part No.	Conductor	OD (mm)
1123804	70mm	17
1123805	95mm	19.6
1123806	120mm	22.4

ÖLFLEX® CLASSIC 115 CH

SCREENED HALOGEN-FREE CONTROL CABLE, OIL RESISTANT VERY FLEXIBLE AND SPACE-SAVING

ESHOP

Construction
» Conductor made of fine bare copper wires
» Core insulation: Halogen-free
» Outer sheath: Special Halogen-free compound grey
» Tinned-copper braiding
» Wrapping: Halogen-free plastic foil

Minimum Bending Radius
» Occasional Flexing: 15 x OD
» Fixed installation: 6 x OD

Temperature Rating
» Fixed installation: -40°C to +80°C
» Occasional Flexing: -30°C to +70°C

Nominal Voltage
U0/U: 300/500 V
UL: 600 V

Test Voltage
» 4000 V

Part No.	Cores	Description	OD (mm)
0.5mm			
10036001	2	2 Core (No Earth)	5.9
10036002	3	2 Core + Earth	6.2
10036004	4	3 Core + Earth	6.6
10036006	5	4 Core + Earth	7.1
10036007	7	6 Core + Earth	7.7
10036008	12	11 Core + Earth	10.1
0.75mm			
10036010	3	2 Core + Earth	6.6
10036012	4	3 Core + Earth	7.1
10036014	5	4 Core + Earth	7.9
10036016	7	6 Core + Earth	8.5
10036019	18	17 Core + Earth	13

Part No.	Cores	Description	OD (mm)
1mm			
10036021	2	2 Core (No Earth)	6.6
10036022	3	2 Core + Earth	6.9
10036024	4	3 Core + Earth	7.4
10036027	7	6 Core + Earth	8.3
10036028	12	11 Core + Earth	11.7
10036029	18	17 Core + Earth	14.1
1.5mm			
10036032	2	2 Core (No Earth)	7.2
10036033	3	2 Core + Earth	7.6
10036035	4	3 Core + Earth	8.4
10036036	5	4 Core + Earth	9.1
10036037	7	6 Core + Earth	10
10036038	12	11 Core + Earth	13.4

Part No.	Cores	Description	OD (mm)
2.5mm			
10036041	3	2 Core + Earth	9.1
10036042	4	3 Core + Earth	10
10036044	7	6 Core + Earth	12
4mm			
10036046	4	3 Core + Earth	11.8

ÖLFLEX® CLASSIC 130 H

HALOGEN-FREE CONTROL CABLE WITH IMPROVED FIRE CHARACTERISTICS

ESHOP

Construction
» Fine-wire strand made of bare copper wires.
» Core insulation: Halogen-free.
» Outer sheath: Special halogen-free compound, grey
» Certified for marine applications

Minimum Bending Radius
» Occasional flexing: 15 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Occasional flexing: -25°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500V

Test Voltage
» 4000 V

Part No.	Cores	Conductor	Description	OD (mm)
0.5mm				
1123000	2	0.5mm	2 Core (No Earth)	5.1
1123001	3	0.5mm	2 Core + Earth	5.4
1123003	4	0.5mm	3 Core + Earth	5.8
1123008	7	0.5mm	6 Core + Earth	6.9
1123013	12	0.5mm	11 Core + Earth	9.1
0.75mm				
1123033	3	0.75mm	2 Core + Earth	5.8
1123035	4	0.75mm	3 Core + Earth	6.3
1123037	5	0.75mm	4 Core + Earth	6.9
1123041	7	0.75mm	6 Core + Earth	7.5
1123047	12	0.75mm	11 Core + Earth	10.1
1mm				
1123066	2	1mm	2 Core (No Earth)	5.8
1123067	3	1mm	2 Core + Earth	6.1
1123069	4	1mm	3 Core + Earth	6.6
1123071	5	1mm	4 Core + Earth	7.3
1123074	7	1mm	6 Core + Earth	8.1
1123080	12	1mm	11 Core + Earth	10.7

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm				
1123106	2	1.5mm	2 Core (No Earth)	6.4
1123107	3	1.5mm	2 Core + Earth	6.8
1123109	4	1.5mm	3 Core + Earth	7.4
1123111	5	1.5mm	4 Core + Earth	8.3
1123114	7	1.5mm	6 Core + Earth	9
1123118	10	1.5mm	9 Core + Earth	11.8
1123120	12	1.5mm	11 Core + Earth	12.2
2.5mm				
1123140	3	2.5mm	2 Core + Earth	8.3
1123142	4	2.5mm	3 Core + Earth	9
1123144	5	2.5mm	4 Core + Earth	10.1
1123146	7	2.5mm	6 Core + Earth	11.2
1123149	12	2.5mm	11 Core + Earth	15.1

CABLES FOR EXPORT TO THE USA & CANADA

UL APPROVED CABLES

UL approved products are required on all industrial machines being exported to the USA. This is required by the NFPA 79 regulations. The purpose of UL approvals is to ensure all electrical machinery being imported into the USA is safe to use. Cables that are UL approved are marked with UL symbols so that electrical inspectors will know when a non-UL cable is being used.

Failure to comply with UL regulations can result in one of two outcomes: Either the machine will need to be re-wired in the United States, or the machine will be sent back to Australia to be rewired with cables that comply. Both scenarios are very expensive.

LAPP KABEL work with the largest machine builders in the world. Our USA design team are always up to date with regulations to make sure products meet the latest regulations.
Please contact our sales team if you have any questions regarding your requirements.

For more UL cable options try our website at lappaustralia.com.au.

Stop
AWM is no longer valid

Caution
NFPA 79 2007-Standards have changed

Go
MTW is no longer road to take to follow the new standard

ÖLFLEX® UL - APPLIANCE WIRE

APPLIANCE WIRE WITH UL APPROVALS - 1000V

ESHOP

Conductor Size MM	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²	4mm²	6mm²	10mm²	16mm²
Conductor Size AWG	22AWG	20AWG	18AWG	16AWG	14AWG	12AWG	10AWG	8AWG	6AWG
Earth	4160100	4160200	4160300	4160400	4160500	4160600	4160700	4160800	4160900
Black	4160101	4160201	4160301	4160401	4160501	4160601	4160701	4160801	4160901
Blue	4160102	4160202	4160302	4160402	4160502	4160602	4160702	4160802	4160902
Brown	4160103	4160203	4160303	4160403	4160503	4160603	4160703	4160803	4160903
Red	4160104	4160204	4160304	4160404	4160504	4160604	4160704	4160804	4160904
White	4160105	4160205	4160305	4160405	4160505	4160605	4160705	4160805	4160905
Grey	4160106	4160206	4160306	4160406	4160506	4160606	4160706	4160806	4160906
Purple	4160107	4160207	4160307	4160407	4160507	4160607	4160707		
Pink	4160108	4160208	4160308	4160408	4160508	4160608			
Orange	4160109	4160209	4160309	4160409	4160509	4160609	4160709	4160809	4160909
Yellow	4160110	4160210	4160310	4160410	4160510	4160610	4160710	4160810	4160910
Green	4160111	4160211	4160311	4160411	4160511	4160611	4160711	4160811	4160911
Dark Blue	4160114	4160214	4160314	4160414	4160514	4160614	4160714	4160814	4160914
Blue + White Stripe	4160126	4160226	4160326	4160426	4160526	4160626	4160726	4160826	
White + Blue Stripe	4160144	4160244	4160344	4160444	4160544	4160644	4160744	4160844	
Cable OD	2.5mm	2.7mm	2.9mm	3.1mm	3.7mm	4.4mm	4.9mm	6.8mm	8.9mm

ÖLFLEX® UL - 150 SERIES

MULTICORE FLEX WITH SMALL CONDUCTORS

ESHOP

Construction
» Fine wire strand made of bare copper wires
» Core insulation: PVC
» Cores twisted in layers
» Outer sheath: PVC, high oil-resistance, grey

Minimum Bending Radius
» Flexing: 12.5 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Flexing: -5°C to +90°C
» Fixed installation: -40°C to +90°C

Nominal Voltage
» HAR U0/U: 300/500 V
» UL/CSA: 600 V

Test Voltage
» 3000 V

Part No.	Cores	Conductor	Description	OD (mm)
0.5mm / 22 AWG Conductors				
0015002	2	0.5mm	2 Core (No Earth)	5.9
0015004	4	0.5mm	3 Core + Earth	6.8
0015007	7	0.5mm	6 Core + Earth	9.1
0.75mm / 20 AWG Conductors				
0015102	2	0.75mm	2 Core (No Earth)	6.3
0015105	5	0.75mm	4 Core + Earth	8.1
0015107	7	0.75mm	6 Core + Earth	9.9
0015112	12	0.75mm	11 Core + Earth	12

ÖLFLEX® UL - CONTROL TM

MULTICORE FLEX WITH UL APPROVALS - 600V

ESHOP

Construction
» Fine wire strand made of bare copper wires
» Core insulation: PVC with nylon sheath (PA skin)
» Outer jacket: Specially formulated thermoplastic polymer, grey

Minimum Bending Radius
» 4 x OD

Temperature Rating
» Flexing: -25°C to +90°C
» Fixed installation: -40°C to +90°C

Nominal Voltage
» IEC U0/U: 0.6/1kV
» UL/CSA: 600 V

Test Voltage
» 2000 V

Part No.	Cores	Conductor	Description	OD (mm)
1mm / 18AWG Conductors				
281803	3	1mm	2 Core + Earth	7.4
281804	4	1mm	3 Core + Earth	8
281805	5	1mm	4 Core + Earth	8.6
281818	18	1mm	17 Core + Earth	14.9
281825	25	1mm	24 Core + Earth	16.7
1.5mm / 16AWG Conductors				
281604	4	1.5mm	3 Core + Earth	8.8
281612	12	1.5mm	11 Core + Earth	14.2
281618	18	1.5mm	17 Core + Earth	16.2
2.5mm / 14AWG Conductors				
281403	3	2.5mm	2 Core + Earth	9.1
281404	4	2.5mm	3 Core + Earth	9.8
281405	5	2.5mm	4 Core + Earth	10.7

ÖLFLEX® UL - TRAY II

DESIGNED FOR EXPOSED INSTALLATIONS - 0.6-1KV

ESHOP

Construction
» Fine-wire strand made of bare copper wires
» Core insulation: PVC+nylon (PA skin)
» Outer sheath: Specially formulated thermoplastic polymer

Minimum Bending Radius
» 2 AWG & smaller: 4 x OD
» 1 AWG & larger: 6 x OD

Temperature Rating
» Flexing: -25°C to +90°C
» Fixed installation: -40°C to +105°C

Nominal Voltage
» UL/CSA: 1000 V (AWM)
» IEC U0/U: 0.6/1kV

Part No.	Cores	Conductor	Description	OD (mm)
1mm / 18AWG Conductors				
221803	3	1mm	2 Core + Earth	7.5
1.5mm / 16AWG Conductors				
221604	4	1.5mm	3 Core + Earth	8.9
2.5mm / 14AWG Conductors				
221404	4	2.5mm	3 Core + Earth	10
16mm / 6AWG Conductors				
220604	4	16mm	3 Core + Earth	22.8

ÖLFLEX® UL - TRAY II CY

EMC SCREENED DESIGNED FOR EXPOSED INSTALLATIONS - 0.6-1KV

ESHOP

Construction
» Fine-wire strand made of bare copper wires
» Core insulation: PVC+nylon (PA skin)
» Outer sheath: Specially formulated thermoplastic polymer
» Screening: 1st: Aluminium foil, 2nd Tinned copper wire braiding

Minimum Bending Radius
» 2 AWG & smaller: 4 x OD
» 1 AWG & larger: 6 x OD

Temperature Rating
» Flexing: -25°C to +90°C
» Fixed installation: -40°C to +105°C

Nominal Voltage
» UL/CSA: 1000 V (AWM)
» IEC U0/U: 0.6/1kV

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm / 16AWG Conductors				
2216070	7	1.5mm	6 Core + Earth	11.3
2.5mm / 14AWG Conductors				
2214030	3	2.5mm	2 Core + Earth	9.8
4mm / 12AWG Conductors				
2212040	4	4mm	3 Core + Earth	12.5
6mm / 10AWG Conductors				
2210040	4	6mm	3 Core + Earth	15.5

ÖLFLEX® ROBUST 200

ALL-WEATHER CONTROL CABLE RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA WITH COLOURED CORES

ESHOP

Construction
Fine wire, bare copper conductors, Core insulation made of modified PP, Cores twisted in layers, Outer sheath made of special black TPE. Up to 5 cores: colour-coded. From 6 cores: black with white numbers. Fresh water submersible up to 10m

Minimum Bending Radius
» Flexing: 10 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» U0/U: 450/750 V

Part No.	Cores	Description	OD (mm)
1.0mm			
0021801	3	2 Core + Earth	8.4
0021802	4	3 Core + Earth	9.2
0021803	5	4 Core + Earth	10
1.5mm			
0021806	3	2 Core + Earth	9.1
0021807	4	3 Core + Earth	9.9
0021809	7	6 Core + Earth	13.5

Part No.	Cores	Description	OD (mm)
2.5mm			
0021812	4	3 Core + Earth	11.5
4mm			
0021817	4	3 Core + Earth	14

ÖLFLEX® ROBUST 210

ALL-WEATHER CONTROL CABLE RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA

ESHOP

Construction
Fine-wire, bare copper conductor, Core insulation made of modified PP, Cores twisted in layers, Outer sheath made of special TPE. Fresh water submersible up to 10m

Minimum Bending Radius
» Occasional flexing: 15 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Occasional flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.5mm			
0021880	2	2 Core (No Earth)	4.9
0021881	3	2 Core + Earth	5.2
0021883	4	3 Core + Earth	5.8
0021885	5	4 Core + Earth	6.3
0021888	7	6 Core + Earth	6.9
0021891	12	11 Core + Earth	9.1
0021892	18	17 Core + Earth	10.8
0021893	25	24 Core + Earth	12.7
1.0mm			
0021914	3	2 Core + Earth	6.1
0021916	4	3 Core + Earth	6.6
0021918	5	4 Core + Earth	7.3
0021920	7	6 Core + Earth	8.1
0021922	12	11 Core + Earth	10.7
0021923	18	17 Core + Earth	12.9
0021924	25	24 Core + Earth	15
1.5mm			
0021928	2	2 Core (No Earth)	6.4
0021929	3	2 Core + Earth	6.8
0021931	4	3 Core + Earth	7.4
0021933	5	4 Core + Earth	8.3
0021936	7	6 Core + Earth	9
0021940	12	11 Core + Earth	12.2
0021941	18	17 Core + Earth	14.6
0021942	25	24 Core + Earth	17.2
2.5mm			
0021946	2	2 Core (No Earth)	7.6
0021947	3	2 Core + Earth	8.3
0021949	4	3 Core + Earth	9
0021953	7	6 Core + Earth	11.2
0021954	12	11 Core + Earth	15.1

ÖLFLEX® ROBUST 215 C

ALL-WEATHER CONTROL CABLE SCREENED & RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA

ESHOP

Construction
Fine-wire, bare copper conductor, Core insulation made of modified PP, Cores twisted in layers, Halogen-free plastic foil wrapping, Tinned copper screen braiding, Outer sheath made of special TPE. Fresh water submersible up to 10m

Minimum Bending Radius
» Occasional flexing: 20 x OD
» Fixed installation: 6 x OD

Temperature Rating
» Occasional flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.5mm			
0022701	3	2 Core + Earth + Screen	6.2
0022703	4	3 Core + Earth + Screen	6.6
0022705	5	4 Core + Earth + Screen	7.1
0022708	7	6 Core + Earth + Screen	7.7
0022711	12	11 Core + Earth + Screen	10.1
0022712	18	17 Core + Earth + Screen	11.8
0022713	25	24 Core + Earth + Screen	13.7
1.0mm			
0022734	3	2 Core + Earth + Screen	6.9
0022736	4	3 Core + Earth + Screen	7.4
0022738	5	4 Core + Earth + Screen	8.3
0022740	7	6 Core + Earth + Screen	8.9
0022742	12	11 Core + Earth + Screen	11.7
0022743	18	17 Core + Earth + Screen	14.1
0022744	25	24 Core + Earth + Screen	16.2

Part No.	Cores	Description	OD (mm)
1.5mm			
0022749	3	2 Core + Earth + Screen	7.6
0022751	4	3 Core + Earth +Screen	8.4
0022753	5	4 Core + Earth + Screen	9.1
0022756	7	6 Core + Earth + Screen	10
0022760	12	11 Core + Earth + Screen	13.4
0022761	18	17 Core + Earth + Screen	15.8
0022762	25	24 Core + Earth + Screen	18.2
2.5mm			
0022767	3	3 Core + Earth + Screen	9.1
0022768	4	3 Core + Earth + Screen	10
0022770	7	6 Core + Earth + Screen	12

ÖLFLEX® CLASSIC 400 P

ABRASION AND OIL RESISTANT CONTROL CABLE WITH PUR SHEATH

ESHOP

Construction
Fine wire, bare copper conductors, Core insulation: special PVC, Cores twisted in layers, Outer sheath made of special polyurethane (PUR), available in DESINA black outer sheath version.

Minimum Bending Radius
» Flexing: 12.5 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.5mm			
1312003	3	2 Core + Earth	5.1
1312004	4	3 Core + Earth	5.7
1312005	5	4 Core + Earth	6.2
1312007	7	6 Core + Earth	6.7
1312010	10	9 Core + Earth	8.6
1312012	12	11 Core + Earth	8.9
0.75mm			
1312103	3	2 Core + Earth	5.7
1312104	4	3 Core + Earth	6.2
1312105	5	4 Core + Earth	6.7
1312107	7	6 Core + Earth	7.3
1312110	10	9 Core + Earth	9.6
1312112	12	11 Core + Earth	9.9
1312118	18	17 Core + Earth	11.7
1312125	25	24 Core + Earth	13.8

Part No.	Cores	Description	OD (mm)
1mm			
1312203	3	2 Core + Earth	6
1312204	4	3 Core + Earth	6.5
1312205	5	4 Core + Earth	7.1
1312207	7	6 Core + Earth	8
1312210	10	9 Core + Earth	10.2
1312212	12	11 Core + Earth	10.5
1312218	18	17 Core + Earth	12.7
1312225	25	24 Core + Earth	14.7
1312234	34	33 Core + Earth	17.1
1.5mm			
1312303	3	2 Core + Earth	6.7
1312304	4	3 Core + Earth	7.2
1312305	5	4 Core + Earth	8.1
1312307	7	6 Core + Earth	8.9
1312312	12	11 Core + Earth	12
1312325	25	24 Core + Earth	16.9

ÖLFLEX® CLASSIC 400 CP

ABRASION AND OIL RESISTANT SCREENED CONTROL CABLE WITH PUR SHEATH

ESHOP

Construction
Fine wire, bare copper conductors, Core insulation: special PVC, Cores twisted in layers, Outer sheath made of special polyurethane (PUR)

Minimum Bending Radius
» Flexing: 20 x OD
» Fixed installation: 6 x OD

Temperature Rating
» Occasional flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.75mm			
1313104	4	3 Core + Earth	8.4
1313107	7	6 Core + Earth	9.7
1313112	12	11 Core + Earth	12.3
1mm			
1313204	4	3 Core + Earth	8.7
1313207	7	6 Core + Earth	10.2
1313212	12	11 Core + Earth	13.3

Part No.	Cores	Description	OD (mm)
1.5mm			
1313304	4	3 Core + Earth	9.6
1313307	7	6 Core + Earth	11.3
2.5mm			
1313404	4	3 Core + Earth	11.3

ÖLFLEX® H07BQ-F

POWER CORD WITH PUR OUTER SHEATH AND EUROPEAN HARMONISATION (HAR)

ESHOP

Application Range
» Portable handheld electrical devices such as drills, sanders, jig saws or grinders
» Building sites, camp sites, stage applications
» Construction machinery
» Agricultural equipment

Benefits
» Harmonised use in Europe
» Increased durability under harsh conditions
» Resistant to contact with many chemical media
» Wide temperature range

Approvals
» Based on VDE 0285 EN 50525-2-21
» H05BQ-F/H07BQ-F design standard

Features
» Oil-resistant
» Abrasion and notch-resistant
» Flexible down to -40°C
» Resistant to hydrolysis and microbes

Temperature Range
» Occasional flexing: -40°C to +90°C
» Fixed installation: -50°C to +90°C

Nominal Voltage
» Up to 1.0 mm²: U0/U: 300/500 V
» From 1.5 mm²: U0/U: 450/750 V

Part No.	Cores	Conductor Size	OD (mm)
1.5mm			
0013621	2 Core + Earth	1.5	10.4
00136223	3 Core + Earth	1.5	11.6
00136233	4 Core + Earth	1.5	12.7

ÖLFLEX® HEAT 125 SC

HALOGEN FREE SINGLE CORE, SPECIAL FIRE PERFORMANCE, SUITABLE FOR +125°C

ESHOP

Construction
Fine wire strand made of non-porous tinned copper. Core insulation: electron beam cross-linked polyolefin copolymer compound, halogen-free and highly flame retardant. Certified for marine applications

Minimum Bending Radius
» Occasional flexing: 6 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Occasional Flexing: -35°C to +120°C
» Fixed installation: -55°C to +125°C

Nominal Voltage
» Up to 1.0mm² U0/U: 300/500 V
» From 1.5mm² U0/U: 450/750V

Conductor	0.5mm²	1mm²	1.5mm²	2.5mm²
Cable OD	2.3mm	2.6mm	2.9mm	3.4mm
Earth	1232000	1234000	1235000	1236000
Black	1232001	1234001	1235001	1236001
Blue	1232002	1234002	1235002	1236002
Green	1232006	1234006	1235006	1236006
Red	1232104	1234104	1235104	1236104
Grey	1232106	1234106	1235106	1236106
Orange	1232009	1234009	1235009	1236009
Brown	1232003	1234003	1235003	
Violet	1232007	1234007	1235007	
White	1232105	1234105	1235105	
Yellow		1234005	1235005	

ÖLFLEX® HEAT 125 MC

HALOGEN FREE POWER AND CONTROL CABLE, SPECIAL FIRE PERFORMANCE, SUITABLE FOR +125°C

ESHOP

Construction
Fine wire strand made of non-porous tinned copper. Core insulation: electron beam cross-linked polyolefin copolymer compound, halogen-free and highly flame retardant. Certified for marine applications

Minimum Bending Radius
» Occasional flexing: 15 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Occasional Flexing: -35°C to +120°C
» Fixed installation: -55°C to +125°C

Nominal Voltage
» Up to 1.0mm² U0/U: 300/500 V
» From 1.5mm² U0/U: 450/750V

Part No.	Cores	Description	OD (mm)
0.75mm Conductor 300/500 V			
1024309	4	3 Core + Earth	7.4
1mm Conductor 300/500 V			
1024316	3	2 Core + Earth	7
1024317	4	3 Core + Earth	7.8
1024319	7	6 Core + Earth	9.5
1.5mm Conductor 450/750 V			
1024323	2	2 Core (No Earth)	7.6
1024324	3	2 Core + Earth	8.3
1024325	4	3 Core + Earth	9
1024327	7	6 Core + Earth	11.2
1024328	12	11 Core + Earth	15.1
2.5mm Conductor 450/750 V			
1024334	3	2 Core + Earth	9.8
1024335	4	3 Core + Earth	10.8
4mm Conductor 450/750 V			
1024341	4	3 Core + Earth	12.7

ÖLFLEX® HEAT 125 C MC

HALOGEN FREE SCREENED POWER AND CONTROL CABLE, SPECIAL FIRE PERFORMANCE, SUITABLE FOR +125°C

ESHOP

Construction
Fine wire strand made of non-porous tinned copper. Core insulation: electron beam cross-linked polyolefin copolymer compound, halogen-free and highly flame retardant. Tinned copper screen braiding. Certified for marine applications

Minimum Bending Radius
» Occasional flexing: 15 x outer diameter
» Fixed installation: 5 x outer diameter

Temperature Rating
» Occasional Flexing: -35°C to +120°C
» Fixed installation: -55°C to +125°C

Nominal Voltage
» Up to 1.0mm² U0/U: 300/500 V
» From 1.5mm² U0/U: 450/750V

Part No.	Cores	Description	OD (mm)
0.5mm Conductor 300/500 V			
1024400	2	2 Core (No Earth)	6.8
1mm Conductor 300/500 V			
1024417	4	3 Core + Earth	8.6
1.5mm Conductor 450/750 V			
1024424	3	2 Core + Earth	9.1
1024425	4	3 Core + Earth	10
1024428	12	11 Core + Earth	16.3
2.5mm Conductor 450/750 V			
1024434	3	2 Core + Earth	10.7
1024435	4	3 Core + Earth	11.6
1024438	12	11 Core + Earth	19.3

ÖLFLEX® HEAT 180 SIF

HALOGEN FREE FINE WIRE SINGLE CORE, SUITABLE FOR +180°C

ESHOP

Construction
Fine-wire, tinned-copper conductor
Core insulation: silicone-based

Minimum Bending Radius
» Fixed installation: 6 x outer diameter
» One bend at end of core: 3 x outer diameter

Temperature Rating
» Fixed installation: -50°C to +180°C

Nominal Voltage
» U0/U: 300/500 V

Conductor	0.5mm²	1mm²	1.5mm²	2.5mm²
Cable OD	2.1mm	2.5mm	2.8mm	3.4mm
Earth	0048000	0050000	0051000	0052000
Black	0048001	0050001	0051001	0052001
Blue		0050002	0051002	0052002
Red	0048104	0050104	0051104	0052104
White		0050105	0051105	
Brown	0048003	0050003		

ÖLFLEX® HEAT 180 SIHF

SILICONE POWER AND CONTROL CABLE FOR TEMPERATURES UP TO +180°C

ESHOP

Construction
Fine wire, tinned-copper conductor
Core insulation: silicone-based
Outer sheath: silicone-based, colour red-brown

Minimum Bending Radius
» Occasional flexing: 15 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Occasional Flexing: -25°C to +180°C
» Fixed installation: -60°C to +180°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.75mm Conductor			
LAPP-0046001	2	2 Core (No Earth)	6.4
LAPP-0046002	3	2 Core + Earth	6.8
LAPP-00460033	4	3 Core + Earth	7.6
LAPP-0046005	6	5 Core + Earth	9.2
LAPP-0046006	7	6 Core + Earth	9.2
1mm Conductor			
LAPP-0046007	2	2 Core (No Earth)	6.6
LAPP-0046008	3	2 Core + Earth	7
1.5mm Conductor			
LAPP-0046013	2	2 Core (No Earth)	7.6
LAPP-0046014	3	2 Core + Earth	8
LAPP-00460153	4	3 Core + Earth	8.8
LAPP-0046039	12	11 Core + Earth	14
LAPP-0046041	20	19 Core + Earth	17.5
2.5mm Conductor			
LAPP-0046020	3	2 Core + Earth	9.7
LAPP-00460213	4	3 Core + Earth	10.6
4mm Conductor			
LAPP-0046026	3	2 Core + Earth	11.5
6mm Conductor			
LAPP-00460333	5	4 Core + Earth	14.7

ÖLFLEX® HEAT 350 SC

GLASS FIBRE INSULATED SINGLE CORE CABLE FOR TEMPERATURES UP TO +350°C

ESHOP

Construction
Fine wire, nickel-plated copper
Insulation: several counter wise layers of glass fibre wrappings

Minimum Bending Radius
» Fixed installation: 5 x outer diameter

Temperature Rating
» Fixed installation: -50°C to +350°C

Nominal Voltage
» U0/U: 230/400 V

Part No.	Conductor	OD (mm)
0091352	1mm	3.4
0091354	2.5mm	3.7
0091355	4mm	4.2
0091356	6mm	6.2

MARINE CERTIFIED CABLES

POWER & CONTROL

Single and multicore, armoured and unarmoured power and control shipboard cables rated 0.6/1kV.

SH-PC-A

ARMOURED SHIPBOARD CABLE

Construction
- Flexible Class 5 fine wire stranding of tinned copper
- Core insulation: HF XLPE Compound
- Outer sheath: Compound SHF1
- Armouring: Bare copper wire braid

Temperature Rating
- Fixed installation: -15°C to +90°C

Nominal Voltage
- U0/U: 0.6/1kV

Part No.	Cores	Description	OD (mm)
1.5mm			
N1027	2	2 Core (no earth)	9.1
N1037	3	3 Core (no earth)	9.5
N1037G	3	2 Core + Earth	9.5
N1047	4	4 Core (no earth)	10.3
N1047G	4	3 Core + Earth	10.3
N1057G	5	4 Core + Earth	11.4
2.5mm			
N1039	3	3 Core (no earth)	10.4
N1039G	3	2 Core + Earth	10.4
N1049	4	4 Core (no earth)	11.5
N1049G	4	3 Core + Earth	11.5
N1059G	5	4 Core + Earth	12.5
4mm			
N103A	3	3 Core (no earth)	11.9
N104A	4	4 Core (no earth)	12.9
6mm			
N104B	4	4 Core (no earth)	14.7
10mm			
N104D	4	4 Core (no earth)	17.4
16mm			
N104E	4	4 Core (no earth)	20.2

SH-PC-U

SHIPBOARD CABLE

ESHOP

Construction
- Flexible Class 5 fine wire stranding of tinned copper
- Core insulation: HF XLPE Compound
- Outer sheath: Compound SHF1

Temperature Rating
- Fixed installation: -15°C to +90°C

Nominal Voltage
- U0/U: 0.6/1kV

Part No.	Cores	Description	OD (mm)
1.5mm			
N2027	2	2 Core (no earth)	8.1
N2037	3	3 Core (no earth)	8.7
N2037G	3	2 Core + Earth	8.7
N2047	4	4 Core (no earth)	9.5
N2047G	4	3 Core + Earth	9.5
N2057G	5	4 Core + Earth	10.4
2.5mm			
N2039	3	3 Core (no earth)	9.6
N2039G	3	2 Core + Earth	9.6
N2049	4	4 Core (no earth)	10.5
N2049G	4	3 Core + Earth	10.5
N2059G	5	4 Core + Earth	11.7
4mm			
N203A	3	3 Core (no earth)	10.9
N204A	4	4 Core (no earth)	12.1
6mm			
N204B	4	4 Core (no earth)	13.3
10mm			
N204D	4	4 Core (no earth)	16
16mm			
N204E	4	4 Core (no earth)	18.8

INSTRUMENTATION

Control and instrumentation, collectively and individually screened, armoured and unarmoured shipboard cables rated 150/250V (300V)

SH-CI-C-A

COLLECTIVELY SCREENED, ARMOURED

ESHOP

SH-CI-I-U

INDIVIDUALLY SCREENED, UNARMOURED

ESHOP

SH-CI-C-U

COLLECTIVELY SCREENED, UNARMOURED

ESHOP

SH-CI-IC-U

INDIVIDUALLY AND COLLECTIVELY SCREENED, UNARMOURED

ESHOP

FIRE RESISTANT POWER CABLE

Single and multicore, armoured and unarmoured, fire resistant power and control shipboard cables rated 0,6/1 kV

SH-PC-A-F S95

ARMOURED

ESHOP

SH-PC-U-F S95

UNARMOURED

ESHOP

ETHERNET

ETHERNET CABLE CATEGORY 6, 6A & 7A, approved for marine and offshore use

SH DATA ETHERNET

MARINE/OFFSHORE APPROVED ETHERNET CABLE

ESHOP

Part No.	Description	OD (mm)
NP404B	CAT.6 SHF2 4x2xAWG26/7 BK	6.4
NP404AH-1	CAT.6 SHF1 4x2xAWG23/7 GY	7.5
NP902CH	CAT.7A SHF1 4x2xAWG23/7 GY	8.4

ÖLFLEX® LIFT F

FLAT PVC CONTROL CABLE FOR CONVEYOR TECHNOLOGY/LIFT APPLICATIONS

ESHOP

Construction
- Conductor made of bare copper wires
- Core insulation: Based on PVC
- Outer sheath: Based on PVC
- Up to 5 cores: colour-coded
- From 6 cores: black and white numbers

Minimum Bending Radius
- Flexible use: 10 x cable thickness

Test Voltage
- 3000 V

Temperature Rating
Flexible use:
- 0°C to +70°C (up to 1.0 mm²)
- -15°C to +70°C (up to 1.5 mm²)

Nominal Voltage
- Up to 1.0 mm²: U0/U: 300/500 V
- From 1.5 mm²: U0/U: 450/750 V

Part No.	Cores	OD width x height (mm)
1.5mm		
00420013	4	15.5 x 5.2
0042004	8	29 x 5.2
0042006	12	42 x 5.2
2.5mm		
00420073	4	19 x 5.9
0042010	8	35 x 5.9
4mm		
00420113	4	21 x 6.8

Part No.	Cores	OD width x height (mm)
6mm		
00420133	4	24 x 7.3
10mm		
00420143	4	30.5 x 9.5
16mm		
00420153	4	35 x 10.8
25mm		
00420163	4	42 x 13

ÖLFLEX® CRANE PUR

REELABLE POLYURETHANE CABLES FOR LOW, MEDIUM AND HIGH MECHANICAL STRESS

ESHOP

Construction
- Conductor made of bare copper wires
- Core insulation: TPE compound
- Outer sheath: PUR compound, halogen-free
- Central supporting element
- Support braid integrated in the outer sheath
- Up to 5 cores: colour-coded
- From 6 cores: black and white numbers

Minimum Bending Radius
- Flexible use: 7.5 x cable thickness

Test Voltage
- 4000 V

Temperature Rating
Flexible use:
- -40°C to +80°C

Nominal Voltage
- U0/U: 0.6/1kV

Part No.	Cores	Description	OD (mm)
1.5mm			
0045207	4	3 Core + Earth	10.9
0045211	12	11 Core + Earth	17.6
0045213	24	23 Core + Earth	20.7
2.5mm			
0045216	4	3 Core + Earth	12.2
0045218	5	4 Core + Earth	13.2

Part No.	Cores	Description	OD (mm)
4mm			
0045225	4	3 Core + Earth	14.3
25mm			
0045232	4	3 Core + Earth	27.6

ÖLFLEX® CRANE 2ST

FLEXIBLE AT COLD TEMPERATURES PVC CONTROL CABLE, WITH EXTERNAL STEEL SUPPORTING ELEMENTS

ESHOP

Construction
- Conductor made of bare copper wires
- Core insulation: Special PVC based
- Special textile wrapping to improve sliding movement between the sheath and cores
- Outer sheath: Special PVC based
- Opposing, integrated steel supporting elements

Minimum Bending Radius
- Flexing: 20 x outer diameter

Temperature Rating
- Flexing: -15°C to +70°C

Nominal Voltage
- U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
1.5mm Conductor			
2027503	8	7 Core + Earth	13.6
2027504	12	11 Core + Earth	15.5
2027505	20	19 Core + Earth	20

ÖLFLEX® CRANE

HIGHLY FLEXIBLE AND WEATHER-PROOF RUBBER CABLES WITH SUPPORT ELEMENT

ESHOP

Construction
- Conductor made of bare copper wires
- Core insulation: rubber compound
- Outer sheath: rubber compound, type EM2
- Special supporting element as strain relief
- Up to 5 cores: colour-coded
- From 6 cores: black and white numbers

Minimum Bending Radius
- Flexible use: 12.5 x outer diameter
- Fixed installation: 6 x outer diameter

Temperature Rating
- Flexible use: -25°C to +80°C
- Fixed installation -40°C to +80°C

Nominal Voltage
- U0/U: 300/500 V

Test Voltage
- 3000 V

Part No.	Cores	Description	OD (mm)
1mm			
00390033	4	3 Core + Earth	8.9
0039056	24	23 Core + Earth	22.1

Part No.	Cores	Description	OD (mm)
1.5mm			
00390193	4	3 Core + Earth	9.9
0039059	18	17 Core + Earth	20.9

ÖLFLEX® FD 810

HIGHLY FLEXIBLE CONTROL CABLE FOR INDOOR DRAG CHAIN APPLICATIONS

ESHOP

Construction
Super flexible Class 6 fine wire strand, PVC inner insulation material & grey PVC outer sheath.

Minimum Bending Radius
» 7.5 x cable OD
» 4 x cable OD

Temperature Rating
» Flexing: 0°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» 300/500V

Part No.	Cores	Description	OD (mm)
		0.5mm	
0026101	3	2 Core + Earth	5.7
0026103	5	4 Core + Earth	6.8
0026104	7	6 Core + Earth	8
0026105	12	11 Core + Earth	9.5
0026106	18	17 Core + Earth	11.4
0026107	25	24 Core + Earth	13.7
		0.75mm	
0026120	3	2 Core + Earth	6.2
0026121	4	3 Core + Earth	6.8
0026123	7	6 Core + Earth	8.9
0026124	12	11 Core + Earth	10.6
0026126	18	17 Core + Earth	12.7
		1mm	
0026131	3	2 Core + Earth	6.6
0026132	4	3 Core + Earth	7.3
0026134	7	6 Core + Earth	9.6
0026135	12	11 Core + Earth	11.4
0026138	18	17 Core + Earth	13.9
		1.5mm	
0026150	3	2 Core + Earth	7.4
0026151	4	3 Core + Earth	8.1
0026153	7	6 Core + Earth	10.9
0026154	12	11 Core + Earth	12.9
0026156	18	17 Core + Earth	15.6
0026157	25	24 Core + Earth	18.6
		2.5mm	
0026171	4	3 Core + Earth	10

ÖLFLEX® FD 810 CY

HIGHLY FLEXIBLE SCREENED CONTROL CABLE FOR INDOOR DRAG CHAIN APPLICATIONS

ESHOP

Construction
Super flexible Class 6 fine wire stranding, PVC inner insulation material and grey PVC outer sheath. Tinned copper braid screen with high coverage.

Minimum Bending Radius
» 7.5 x cable OD
» 4 x cable OD

Temperature Rating
» Flexing: 0°C to +70°C
» Fixed installation: -40°C to 80°C

Nominal Voltage
» 300/500V

Part No.	Cores	Conductor	Description	OD (mm)
			0.5mm	
0026202	4	0.5mm	3 Core + Earth + Screen	7.9
0026204	7	0.5mm	6 Core + Earth + Screen	9.8
0026205	12	0.5mm	11 Core + Earth + Screen	11.3
			1mm	
0026232	4	1mm	3 Core + Earth + Screen	8.9
0026234	7	1mm	6 Core + Earth + Screen	11.4
0026235	12	1mm	11 Core + Earth + Screen	13.4
			1.5mm	
0026251	4	1.5mm	3 Core + Earth + Screen	9.9
0026253	7	1.5mm	6 Core + Earth + Screen	12.7
0026254	12	1.5mm	11 Core + Earth + Screen	15.1

ÖLFLEX® CLASSIC FD 810 P

HIGHLY FLEXIBLE CONTROL CABLE FOR HARSH DRAG CHAIN APPLICATIONS

ESHOP

Construction
Extra-fine wire strand made of bare copper wires (class 6), Core insulation: PVC, Cores twisted in short lay lengths, Non-woven wrapping, PUR outer sheath, grey (similar RAL 7001)

Minimum Bending Radius
» Flexing: from 7.5 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Conductor	Description	OD (mm)
0.5mm				
0026302	4	0.5mm	3 Core + Earth	6.3
0026304	7	0.5mm	6 Core + Earth	8
0026305	12	0.5mm	11 Core + Earth	9.5
0.75mm				
0026320	3	0.75mm	2 Core + Earth	6.2
0026321	4	0.75mm	3 Core + Earth	6.8
0026323	7	0.75mm	6 Core + Earth	8.9
0026324	12	0.75mm	11 Core + Earth	10.6
1mm				
0026331	3	1mm	2 Core + Earth	6.6
0026332	4	1mm	3 Core + Earth	7.3
0026334	7	1mm	6 Core + Earth	9.6
0026335	12	1mm	11 Core + Earth	11.4
0026338	18	1mm	17 Core + Earth	13.9

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm				
0026350	3	1.5mm	2 Core + Earth	7.4
0026351	4	1.5mm	3 Core + Earth	8.1
0026353	7	1.5mm	6 Core + Earth	10.9
0026354	12	1.5mm	11 Core + Earth	12.9
0026356	18	1.5mm	17 Core + Earth	15.6
0026357	25	1.5mm	2 Core + Earth	18.6
2.5mm				
0026370	3	2.5mm	2 Core + Earth	9
0026371	4	2.5mm	3 Core + Earth	10
0026373	7	2.5mm	6 Core + Earth	13.6
0026374	12	2.5mm	11 Core + Earth	16
4mm				
0026381	4	4mm	3 Core + Earth	11.7

ÖLFLEX® CLASSIC FD 810 CP

HIGHLY FLEXIBLE SCREENED CONTROL CABLE FOR HARSH CONDITION DRAG CHAIN APPLICATIONS

ESHOP

Construction
Extra-fine wire strand made of bare copper wires (class 6), EMC copper screening. Core insulation: PVC, Cores twisted in short lay lengths, Nonwoven wrapping, PUR outer sheath, grey (similar RAL 7001)

Minimum Bending Radius
» Flexing: from 7.5 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Conductor	Description	OD (mm)
0.75mm				
0026421	4	0.75mm	3 Core + Earth	8.4
0026423	7	0.75mm	6 Core + Earth	10.7
0026424	12	0.75mm	11 Core + Earth	12.4
1mm				
0026431	3	1mm	2 Core + Earth	8.2
0026432	4	1mm	3 Core + Earth	8.9
0026434	7	1mm	6 Core + Earth	11.4
0026435	12	1mm	11 Core + Earth	13.4

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm				
0026451	4	1.5mm	3 Core + Earth	9.9
0026453	7	1.5mm	6 Core + Earth	12.7
0026454	12	1.5mm	11 Core + Earth	15.1
0026456	18	1.5mm	17 Core + Earth	17.8
2.5mm				
0026471	4	2.5mm	3 Core + Earth	11.8
4mm				
0026481	4	4mm	3 Core + Earth	13.7

ÖLFLEX® CHAIN 90 P

HIGHLY FLEXIBLE HALOGEN FREE SINGLE CORE POWER CABLE PUR SHEATH FOR DRAG CHAIN APPLICATIONS

ESHOP

Construction
Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: TPE compound, green-yellow (black available)
Outer sheath: PUR black

Minimum Bending Radius
» Flexing: 7.5 x outer diameter
» Fixed installation: 3 x outer diameter

Temperature Rating
» Flexing: -35°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» IEC U0/U: 0.6/1kV
» UL & CSA U0/U:1000V

Part No.	Conductor	OD (mm)
1026517	4mm	7.2
1026519	6mm	7.7
1026521	10mm	9.1
1026523	16mm	10.6

ÖLFLEX® ROBUST FD

HIGHLY FLEXIBLE HALOGEN-FREE POWER AND CONTROL CABLE FOR DRAG CHAIN APPLICATIONS IN HARSH ENVIRONMENTAL CONDITIONS

ESHOP

Construction
Extra-fine wire, tinned copper strands, Core insulation: TPE, Outer sheath: Robust made of special halogen-free TPE, Cores twisted together in extremely short lay lengths, Wrapping: non-woven

Minimum Bending Radius
» Up from 7.5 x OD (at temperatures < 70°C)
» Up from 10 x OD (at max temperature of 105°C)
» Fixed installation: 4 x OD

Temperature Rating
» Flexing: -40°C to +105°C
» Fixed installation: -50°C to +105°C

Nominal Voltage
» U0/U: 300/500 V

Test Voltage
» 4000 V

Part No.	Cores	Conductor	Description	OD (mm)
0.5mm				
0026536	2	0.5mm	2 Core (No Earth)	6.1
0026539	5	0.5mm	4 Core + Earth	8
0026540	7	0.5mm	6 Core + Earth	9.6
0026544	12	0.5mm	11 Core + Earth	11.6
0.75mm				
0026547	2	0.75mm	2 Core (No Earth)	6.4
1mm				
0026508	2	1mm	2 Core (No Earth)	6.8
0026509	3	1mm	2 Core + Earth	7.4
0026516	7	1mm	6 Core + Earth	11.1
0026518	18	1mm	17 Core + Earth	15.9

Part No.	Cores	Conductor	Description	OD (mm)
1.5mm				
0026548	2	1.5mm	2 Core (No Earth)	8
0026522	4	1.5mm	3 Core + Earth	9.9
0026524	7	1.5mm	6 Core + Earth	13.4
0026525	12	1.5mm	11 Core + Earth	15.8
0026526	18	1.5mm	17 Core + Earth	18.9
2.5mm				
0026531	4	2.5mm	3 Core + Earth	11.8
0026533	7	2.5mm	6 Core + Earth	15.7
4mm				
0026541	4	4mm	3 Core + Earth	13.8

ÖLFLEX® ROBUST FD C

HIGHLY FLEXIBLE ALL-WEATHER CONTROL CABLE SCREENED & RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA

ESHOP

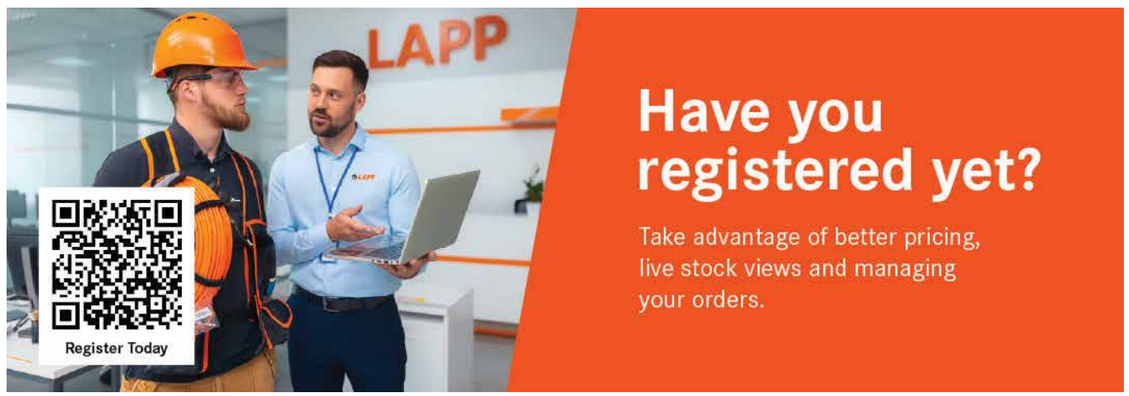
Construction
Extra-fine wire, tinned copper strands
Core insulation: TPE, cores twisted together in extremely short lay lengths, non-woven wrapping with tinned copper braiding
Outer sheath: robust outer sheath made of special halogen-free TPE, black

Minimum Bending Radius
» Flexing: 10 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Flexing: -40°C to +105°C
» Fixed installation: -50°C to +105°C

Nominal Voltage
» U0/U: 300/500 V

Part No.	Cores	Conductor	Description	OD (mm)
0026738	4	0.5mm	3 Core + Earth + Screen	9.5
0026710	4	1mm	3 Core + Earth + Screen	10.6
0026722	4	1.5mm	3 Core + Earth + Screen	12.1
0026731	4	2.5mm	3 Core + Earth + Screen	14.4



ÖLFLEX® SERVO 719 CY

SCREENED SERVO CABLE WITH PVC OUTER SHEATH FOR STATIC USE

ESHOP

Construction
Fine wire stranding, polypropylene (PP) inner insulation material and PVC outer sheath, orange. Individual design depending on the item: Power cores without or with one or two individually shielded control core pairs twisted together in short lay lengths; Power cores with control core triplet twisted together in short lay lengths.

Minimum Bending Radius
» Flexing: 15 x cable OD
» Fixed: 6 x cable OD

Temperature Rating
» Flexing: -5°C to 70°C (UL: +80°C)
» Fixed: -40°C to 80°C

Nominal Voltage
» IEC: 0.6/1kV
» UL & CSA: 1000V

Part No.	Cores	Conductor	Description	Control Cores	OD (mm)
0.75mm					
1020024	4	0.75mm	3 Core + Earth	2x(2x0,34)	9.7
1.5mm					
1020025	4	1.5mm	3 Core + Earth	2x(2x0,75)	12.3
1020045	4	1.5mm	3 Core + Earth	2x1,0	10.8
1020019	4	1.5mm	3 Core + Earth	2x1,5	11.5

Part No.	Cores	Conductor	Description	Control Cores	OD (mm)
2.5mm					
1020026	4	2.5mm	3 Core + Earth	2x(2x1)	14.7
1020046	4	2.5mm	3 Core + Earth	2x1,0	12.1
1020054	4	2.5mm	3 Core + Earth	3x1,0	12.9
4mm					
1020021	4	4mm	3 Core + Earth	2x1,5	15
1020027	4	4mm	3 Core + Earth	2x1,0	16.4

ÖLFLEX® SERVO FD 796 CP

HIGHLY FLEXIBLE SCREENED SERVO CABLE FOR HARSH CONDITION DRAG CHAIN APPLICATIONS

ESHOP

Construction
Extra-fine wire strand made of bare copper wires (class 6) Core insulation: polypropylene (PP), Individual design depending on the item: Power cores without or with one or two individually shielded control core pairs twisted together in short lay lengths; Power cores with control core triplet twisted together in short lay lengths, Non-woven wrapping, Tinned-copper braiding, PUR outer sheath, orange (RAL 2003).

Minimum Bending Radius
» Flexing: up from 7.5 x OD (up to 16mm²)
» Flexing: up from 10 x OD (from 25mm²)
» Fixed installation: 4 x OD

Temperature Rating
» Flexing: -40°C to 90°C
» (UL/CSA: +80°C)
» Fixed installation: -50°C to 90°C
» (UL/CSA: +80°C)

Nominal Voltage
» Power cores and control cores:
» IEC U0/U: 0.6/1kV
» UL & CSA: 1000 V

Part No.	Cores	Conductor	Description	Control Cores	OD (mm)
1.5mm					
0027950	4	1.5mm	3 Core + Earth	-	9.1
0027959	4	1.5mm	3 Core + Earth	2 x 1.5mm	11.6
0027969	4	1.5mm	3 Core + Earth	2 x(2x0.75mm)	12.2
2.5mm					
0027951	4	2.5mm	3 Core + Earth	-	10.6
0027960	4	2.5mm	3 Core + Earth	2 x 1.5mm	13.4
0027970	4	2.5mm	3 Core + Earth	2 x(2x1mm)	14.6
4mm					
0027952	4	4mm	3 Core + Earth	-	11.9
0027961	4	4mm	3 Core + Earth	2 x 1.5mm	14.8
0027980	4	4mm	3 Core + Earth	2x(2x1,0)	16.1

Part No.	Cores	Conductor	Description	Control Cores	OD (mm)
6mm					
0027962	4	6mm	3 Core + Earth	2 x 1.5mm	16.8
0027972	4	6mm	3 Core + Earth	(2x1)+(2x1,5)	18.1
10mm					
0027963	4	10mm	3 Core + Earth	2 x 1.5mm	19.4
0027973	4	10mm	3 Core + Earth	(2x1)+(2x1,5)	21.8
16mm					
0027955	4	16mm	3 Core + Earth	-	21.6
0027964	4	16mm	3 Core + Earth	2 x 1.5mm	23.1
0027974	4	16mm	3 Core + Earth	2 x(2x1.5mm)	25.5

ÖLFLEX® SERVO FD 798 CP

HIGHLY FLEXIBLE SCREENED ENCODER CABLE FOR HARSH CONDITION DRAG CHAIN APPLICATIONS

ESHOP

Construction
Super flexible Class 6 fine wire stranding, green PUR outer sheath for extra chemical resistance. Tinned copper braid screen with high coverage.

Minimum Bending Radius
» Flexing: 7.5 x cable OD
» Fixed: 4 x cable OD

Temperature Rating
» Flexing: -40°C to +90°C
» (UL/CSA: +80°C)
» Fixed installation: -50°C to +90°C
» (UL/CSA: +80°C)

Nominal Voltage
» IEC: 30V
» UL & CSA: 30V

Part No.	Description	OD (mm)
0036911	3x2x0.14mm + 2x0.5mm	9.6
0036915	4x2x0.25mm + 2x1mm	8.8
0036916	6x2x0.25mm + 2x0.5mm	10.3
0036921	4x2x0.25mm	7.6
0036927	4x2x0.25mm + 2x0.5mm	8.5
0036930	2x2x0.25mm + 2x0.5mm	7.3

ÖLFLEX® ROBOT 900 P

POWER AND CONTROL CABLE FOR BENDING AND TORSIONAL LOAD IN HARSH ENVIRONMENTAL CONDITIONS

ESHOP

Construction
Extra-fine strands made of bare copper wire
Core insulation: TPE
Cores twisted in layers, wrapping of PTFE tape,
Outer sheath: PUR, black
Designed for 5 million torsion cycles

Minimum Bending Radius
» Flexing: 15 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» Up to 0.34 mm²: 48 V AC
» From 0.5 mm² U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.5mm Conductor			
0028145	18	17 Core + Earth	11.2
0028146	25	24 Core + Earth	13.3
1mm Conductor			
0028172	4	3 Core + Earth	7
0028174	7	6 Core + Earth	9.3
0028176	12	11 Core + Earth	11.5

ÖLFLEX® ROBOT 900 DP

POWER AND CONTROL SCREENED CABLE FOR BENDING AND TORSIONAL LOAD IN HARSH ENVIRONMENTAL CONDITIONS

ESHOP

Construction
Extra-fine strands made of bare copper wire
Core insulation: TPE
Cores twisted in layers, wrapping of PTFE tape, spiral shield made of tinned copper wires
Outer sheath: PUR, black
Designed for 5 million torsion cycles

Minimum Bending Radius
» Flexing: 15 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» Up to 0.34 mm²: 48 V AC
» From 0.5 mm² U0/U: 300/500 V

Part No.	Cores	Description	OD (mm)
0.25mm Conductor			
0028126	25	25 Core (No Earth)	11.1
0.34mm Conductor			
0028135	4	4 Core (No Earth)	5.7

ÖLFLEX® ROBOT F1

POWER AND CONTROL CABLE FOR BENDING AND TORSIONAL LOAD IN HARSH ENVIRONMENTAL CONDITIONS

ESHOP

Construction
Extra-fine strands made of bare copper wire
Core insulation: TPE
Cores (or core pairs) twisted in layers, wrapping of PTFE tape
Wrapping made of tinned copper wires for versions with individually screened pairs
Outer sheath: PUR, black
Designed for 10 million torsion cycles

Minimum Bending Radius
» Flexing: 10 x outer diameter
» Fixed installation: 4 x outer diameter

Temperature Rating
» Flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Nominal Voltage
» IEC: up to 0.34 mm² 250 Vss. 0.5 - 2.5 mm² U0/U 300/500 V
» UL/CSA: up to 1.5 mm² 600 V, from 2.5 mm² 1000 V

Part No.	Cores	Description	OD (mm)
0.34mm Conductor			
0029596	4	4 Core (No Earth)	5.2
0029599	12	12 Core (No Earth)	9.4
1.5mm Conductor			
0029627	7	6 Core + Earth	10.5

LAPP

UNITRONIC® LIYY BK (BLACK)

FLEXIBLE FLAME RETARDANT DATA CABLE NOW IN BLACK UV-RESISTANT SHEATH

ESHOP

Construction
- » Fine-wire strands made of bare copper wires
- » Core insulation made of PVC
- » Outer sheath made of PVC. Colour: black/grey
- » BK version: outdoor use

Minimum Bending Radius
- » Flexing: 10 x cable OD
- » Fixed: 4 x cable OD

Temperature Rating
- » Flexing: -5°C to 70°C
- » Fixed: -40°C to 80°C

Grey	Black	Cores	OD (mm)
0.14mm			
0028202	1030200	2	3.2
0028203	1030201	3	3.4
0028204	1030202	4	3.6

Grey	Black	Cores	OD (mm)
0.25mm			
0028302	1030217	2	3.8
0028303	1030218	3	4
0028304	1030219	4	4.3
0.34mm			
0028402	1030237	2	4.2

UNITRONIC® LIYCY BK (BLACK)

FLEXIBLE FLAME RETARDANT SCREENED DATA CABLE NOW IN BLACK UV-RESISTANT SHEATH

ESHOP

Construction
- » Fine wire strands made of bare copper wires
- » Tinned-copper braiding
- » Core insulation made of PVC
- » Outer sheath made of PVC. Colour: black/grey
- » BK version: outdoor use

Minimum Bending Radius
- » Flexing: 15 x cable OD
- » Fixed: 6 x cable OD

Temperature Rating
- » Flexing: -5°C to +70°C
- » Fixed: -40°C to +80°C

Grey	Black	Cores	OD (mm)
0.25mm			
0034402	1030473	2	4.5
0034403	1030474	3	4.7
0034404	1030475	4	5
0034405	1030476	5	5.6
0034406	1030477	6	6
0034408	1030479	8	7.1
0034410	1030480	10	7.5
0.34mm			
0034502	1030495	2	4.9
0034503	1030496	3	5.1
0034504	1030497	4	5.7
0034505	1030498	5	6.2
0034506	1030499	6	6.8

Grey	Black	Cores	OD (mm)
0.5mm			
0034602	1030517	2	5.6
0034603	1030518	3	5.9
0034604	1030519	4	6.3
0034605	1030520	5	7
0034606	1030521	6	7.6
0034608	1030523	8	8.7
0034610	1030524	10	9.3
0.75mm			
0034702	1030530	2	6
0034703	1030531	3	6.3
0034704	1030532	4	7
1mm			
0034802	1030540	2	6.3

UNITRONIC® LIYCY TP BK (BLACK)

FLEXIBLE FLAME RETARDANT SCREENED DATA CABLE WITH TWISTED PAIRS NOW IN BLACK SHEATH

ESHOP

Construction
- » Fine-wire strands made of bare copper wires
- » Tinned-copper braiding
- » TP design to minimise crosstalk effects
- » Core insulation made of PVC
- » Outer sheath made of PVC. Colour: black/grey
- » BK version: outdoor use

Minimum Bending Radius
- » Flexing: 15 x cable OD
- » Fixed: 6 x cable OD

Temperature Rating
- » Flexing: -5°C to +70°C
- » Fixed: -40°C to +80°C

Grey	Black	Pairs	OD (mm)
0.14mm			
0035131	1030600	2 x 2 x 0.14mm	5.3
0035141	1030607	3 x 2 x 0.14mm	5.8
0035132	1030601	4 x 2 x 0.14mm	6.2
0035133	1030602	6 x 2 x 0.14mm	7.1
0.25mm			
0035800	1030610	2 x 2 x 0.25mm	6.3
0035801	1030611	3 x 2 x 0.25mm	7.1
0035802	1030612	4 x 2 x 0.25mm	7.6
0035803	1030613	6 x 2 x 0.25mm	8.5
0035804	1030614	8 x 2 x 0.25mm	10.3

Grey	Black	Pairs	OD (mm)
0.5mm			
0035810	1030619	2 x 2 x 0.5mm	7.9
0035811	1030620	3 x 2 x 0.5mm	8.7
0035812	1030621	4 x 2 x 0.5mm	9.4
0035813	1030622	6 x 2 x 0.5mm	11.1
0035814	1030623	8 x 2 x 0.5mm	13.1
0.75mm			
0035820	1030626	2 x 2 x 0.75mm	8.5
0035822	1030628	4 x 2 x 0.75mm	10.7
1mm			
0035830	1030633	2 x 2 x 1mm	9
0035831	1030634	3 x 2 x 1mm	10

UNITRONIC® ST - SINGLE PAIR

FOIL SCREEN (SINGLE PAIR) FOR BMS HVAC

ESHOP

Construction
Fine wire stranded tinned conductors, PE polyethylene inner insulation material and grey PVC outer sheath. Aluminum foil screen with tinned copper drain wire

Minimum Bending Radius
» Fixed: 10 x cable OD

Temperature Rating
» -30°C to 60°C

Nominal Voltage
» 300V (not for single or three phase power)

Part No.	Type	Conductor	Conductor Colours	OD (mm)	Drum Size
3804580		24 AWG / ~0.25mm²	Black/White	4.8	500m
3800764	8761	22 AWG / ~0.34mm²	Black/White	4.5	305m
0033000	8762	20 AWG / ~0.5mm²	Black/White	5.2	500m
0033002	8760	18 AWG / ~1.0mm²	Black/White	5.6	305m
3804581		16 AWG / ~1.5mm²	Black/White	6.7	500m / 1000m

UNITRONIC® ST - TRIPLE

FOIL SCREEN (TRIPLE CORE) FOR RTD'S

ESHOP

Construction
Fine wire stranded tinned conductors, FPE inner insulation material and cream & black PVC outer sheath. Aluminum foil screen with tinned copper drain wire.

Minimum Bending Radius
» Fixed: 10 x cable OD

Black Sheath
» UV Resistant suitable for outdoor use.

Temperature Rating
» -30°C to 80°C

Nominal Voltage
» 300V (not for single or three phase power)

Part No.	Type	Sheath	Pairs	Conductor	Conductor Colours	OD (mm)
3804951	B5401FE	Cream	1 Triple (3 Core)	20 AWG / ~0.5mm²	Black/Natural/Red	5.5
3804931	B5301FE	Cream	1 Triple (3 Core)	18 AWG / ~1.0mm²	Black/Natural/Red	6.2
3802398	B5301FE	Black	1 Triple (3 Core)	18 AWG / ~1.0mm²	Black/Natural/Red	6.2

UNITRONIC® ST - SERIAL RS485

FOR SERIAL RS485 COMMUNICATIONS

ESHOP

Construction
Fine wire stranded tinned conductors, FPE inner insulation material and gun metal grey PVC outer sheath. Aluminum foil screen with tinned copper drain wire.

Impedance
» 120 Ohm

Applications
» RS485

Nominal Voltage
» 30V

Part No.	Type	Pairs	Conductor	Conductor Colours	OD (mm)	Drum Size
3800765	9841	1 Pair	24 AWG / ~0.25mm²	Bu/Wh & Wh/Bu	5.9	305m
3800953	9842	2 Pair	24 AWG / ~0.25mm²	Bu/Wh & Wh/Bu + Og/Wh & Wh/Og	8.8	305m

UNITRONIC® ST - SERIAL RS232

FOR SERIAL RS232, RS422 & RS485 COMMUNICATIONS

ESHOP

Construction
Fine wire stranded tinned conductors, FPE inner insulation material and gun metal grey PVC outer sheath. Aluminum foil screen with tinned copper drain wire.

Applications
» RS232
» RS422

Part No.	Type	Pairs	Conductor	OD (mm)	Drum Size
3800950	B1419A	2 Pair	24 AWG / ~0.25mm²	6.3	305m
3800951	B1421A	4 Pair	24 AWG / ~0.25mm²	7.1	305m
3804947	B1424A	12 Pair + 1 Core	24 AWG / ~0.25mm²	10.6	305m

RS485
LOW-SMOKE
ZERO HALOGEN
CABLE
WITH UL RATING,

COMING SOON!

UNITRONIC® Li2YCYv (TP)

SCREENED REINFORCED SERIAL RS422 & RS485 COMMUNICATIONS

ESHOP

Construction
7-wire bare stranded copper conductors, PE inner insulation material and black (Yv) reinforced outer sheath. Twisted pair design with tinned-copper braiding.

Applications
» RS232
» RS422

Part No.	Pairs	Conductor	OD (mm)	Drum Size
0031350	2	0.22mm	8.1	500m
0031360	2	0.5mm	10.1	500m
0031362	4	0.5mm	11.2	500m
0031366	1	0.5mm	7.9	500m

INSTRUMENTATION CABLE RE-Y(ST)Y

OVERALL SCREENED INSTRUMENTATION CABLE 500V

ESHOP

Construction
Stranded conductors, PVC inner insulation material and black UV resistant PVC outer sheath. Aluminium foil screen with tinned copper drain wire.

Minimum Bending Radius
» Fixed: 6 x cable OD

Temperature Rating
» Fixed: -30°C to 105°C

Nominal Voltage
» 500V

Part No.	Type	Pairs	Colours	OD (mm)
0.5mm				
1270800	B5001 CS	1 Pair	Black/White	6.8
1271250	B5301 CS	1 Triple	Black/White/Red	7.2
1270802	B5002 CS	2 Pair	Black/White	7.7
1270804	B5004 CS	4 Pair	Black/White	12
1270806	B5006 CS	6 Pair	Black/White	13.7
1270808	B5008 CS	8 Pair	Black/White	15.2
1270812	B5012CS	12 Pair	Black/White	17.9
1.5mm				
1270950	B5102 ES	1 Pair	Black/White	8.2
1271300	B5103 ES	1 Triple	Black/White/Red	9.0
1270952	B5502 CS	2 Pair	Black/White	12.6
1270978	B5012 CS	3 Pair	Black/White	13.2
1270954	B5504 CS	4 Pair	Black/White	15.2
1270956	B5506 CS	6 Pair	Black/White	17.4
1270962	B5512 CS	12 Pair	Black/White	23.1

INSTRUMENTATION CABLE RE-Y(ST)Y PIMF

INDIVIDUAL AND OVERALL SCREENED INSTRUMENTATION CABLE 500V

ESHOP

Construction
Stranded conductors, PVC inner insulation material and black UV resistant PVC outer sheath. Tinned copper drain wire, individually and collectively screened pairs with aluminium polyester tape.

Minimum Bending Radius
» Flexing: 6 x cable OD

Temperature Rating
» Fixed: -30°C to 105°C

Nominal Voltage
» 500V

Part No.	Pairs	Colours	OD (mm)
0.5mm			
1271050	2	Black/White	10.8
1271052	4	Black/White	12.4
1271054	6	Black/White	14.7
1271056	8	Black/White	16.7
1271060	12	Black/White	19.5
1.5mm			
1271160	2	Black/White	13.5
1271162	4	Black/White	15.8
1271164	6	Black/White	18.9
1271166	8	Black/White	21.4
1271170	12	Black/White	25.1

INSTRUMENTATION CABLE RE-Y(ST)YRY SWA

ARMOURED AND OVERALL SCREENED INSTRUMENTATION CABLE 500V

ESHOP

Construction
Stranded conductors, galvanised steel wire armoured, PVC inner insulation material and black UV resistant PVC outer sheath. Tinned copper drain wire, collectively screened pairs with aluminium polyester tape.

Minimum Bending Radius
» Flexing: 10 x cable OD

Temperature Rating
» Fixed: -30°C to 105°C

Nominal Voltage
» 500V

Part No.	Pairs	Colours	OD (mm)
1.5mm			
1271500	1	Black/White	12.9
1271502	2	Black/White	17.6
1271504	4	Black/White	20
1271506	6	Black/White	23.7
1271508	8	Black/White	26.2
1271510	10	Black/White	29

UNITRONIC® ROBUST

ALL WEATHER DATA CABLE RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA

ESHOP

Construction
» Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
» Core insulation made of special halogen-free compound
» Outer sheath made of special TPE.

Minimum Bending Radius
» Flexing: 10 x cable OD
» Fixed: 4 x cable OD

Temperature Rating
» Flexing: -40°C to 90°C
» Fixed: -50°C to 90°C

Test Voltage
» 1200 V

Part No.	Cores	Conductor	OD (mm)
1032014	4	0.25mm	4.3
1032026	3	0.34mm	4.4
1032027	4	0.34mm	4.8

UNITRONIC® ROBUST C

ALL WEATHER DATA CABLE SCREENED & RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA

ESHOP

Construction
» Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
» Core insulation made of special halogen-free compound
» Tinned-copper braiding
» Outer sheath made of special TPE

Minimum Bending Radius
» Occasional flexing: 10 x OD
» Fixed installation: 4 x OD

Temperature Rating
» Occasional flexing: -40°C to 90°C
» Fixed installation: -50°C to 90°C

Test Voltage
» 1200 V

Part No.	Cores	Conductor	OD (mm)
1032051	3	0.14mm	4.1
1032062	2	0.25mm	4.5
1032064	4	0.25mm	5
1032067	7	0.25mm	6

Part No.	Cores	Conductor	OD (mm)
1032076	4	0.34mm	5.7
1032079	7	0.34mm	6.8

UNITRONIC® ROBUST C (TP)

ALL WEATHER TWISTED PAIRS DATA CABLE SCREENED & RESISTANT TO A WIDE RANGE OF CHEMICAL MEDIA

ESHOP

Construction
» Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
» Twisted pair (TP) design
» Core insulation made of special halogen-free compound
» Tinned-copper braiding
» Outer sheath made of special TPE.

Minimum Bending Radius
» Flexing: 10 x cable OD
» Fixed: 4 x cable OD

Temperature Rating
» Flexing: -40°C to 90°C
» Fixed: -50°C to 90°C

Test Voltage
» 1200 V

Part No.	Cores	Pairs	Conductor	OD (mm)
1032108	4	2	0.25mm	6.3
1032109	6	3	0.25mm	7.1
1032110	8	4	0.25mm	7.6
1032112	12	6	0.25mm	8.5

Part No.	Cores	Pairs	Conductor	OD (mm)
1032118	2	1	0.5mm	5.6
1032119	4	2	0.5mm	7.9
1032120	6	3	0.5mm	8.7
1032121	8	4	0.5mm	9.4
1032123	12	6	0.5mm	11.1
1032133	8	4	1.0mm	11.3

UNITRONIC® FD CP (TP) PLUS A

HIGHLY FLEXIBLE SCREENED LOW-FREQUENCY DATA CABLE TWISTED PAIR FOR DRAG CHAIN APPLICATIONS

ESHOP

Construction
» Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
» Twisted pair (TP) design
» Core insulation made of special halogen-free compound
» Tinned-copper braiding, Outer sheath made of special TPE.

Minimum Bending Radius
» Occasional flexing: 7.5 x OD
» Fixed installation: 4 x OD

Temperature Rating
» -40°C to +80°C

Test Voltage
» At 0.14 mm²: 1200 V

Part No.	Cores	Pairs	Conductor	OD(mm)
11139501	4	2	0.14mm	5.9
11139503	8	4	0.14mm	6.7
11139508	4	2	0.25mm	6.6
11139510	8	4	0.25mm	7.6
11139511	10	5	0.25mm	8.5
11139512	12	6	0.25mm	8.8
11139521	4	2	0.5mm	8.3
11139524	10	5	0.5mm	10.7

Part No.	Cores	Pairs	Conductor	OD(mm)
11139528	28	14	0.5mm	15.5
11139530	6	3	0.75mm	9.8
11139531	8	4	0.75mm	10.7
11139532	12	6	0.75mm	12.3
11139537	4	2	1.0mm	9.9
11139539	8	4	1.0mm	11.8
11139540	10	5	1.0mm	13.1

UNITRONIC® BUS PB CABLES

PROFIBUS CABLES FOR FIXED APPLICATIONS

ESHOP

Various fixed bus cables for PROFIBUS-DP, -FMS and FIP. E.g. Fast Connect and halogen free versions available.

Part No.	Type	No. of Pairs/Conductor diameter (mm)	OD (mm)	Sheath Type
2170220	Standard	1 X 2 X 0.64	8	PVC
2170330	UL/CSA Fast Connect	1 X 2 X 0.64	8	Polyurethane
2170820	Fast Connect	1 X 2 X 0.64	8	PVC
2170233	Standard, black	1 X 2 X 0.64	7.8	Polyethylene, black
2170326	Halogen-free	1 X 2 X 0.64	8	Thermoplastic compound

UNITRONIC® BUS PB FD CABLES

HIGHLY FLEXIBLE PROFIBUS CABLES FOR DRAG CHAIN APPLICATIONS

Various flexible bus cables for PROFIBUS-DP, -FMS and FIP. E.g. Fast Connect and halogen free versions available.

Part No.	Type	No. of Pairs/Conductor diameter (mm)	OD (mm)	Sheath Type
2170222	Halogen-free	1 X 2 X 0.64	8	Polyurethane
2170822	UL/CSA	1 X 2 X 0.64	8	Polyurethane

EPIC® PB CONNECTORS

PROFIBUS CONNECTORS WITH SCREW | REPEATER | FAST CONNECT

ESHOP

PROFIBUS Sub-D connector, screw terminals, integrated bus termination, optional LED diagnostic/interfaces, cable outlet 35°/90°/180°.

Part No.	Style	Connector	Version	PG-Interface
21700501	90°	Fast Connect		yes
21700504	90°	Screw		no
21700505	Straight	Screw		no
21700507	35°	Screw		no
21700511	35°	Fast Connect		no
21700529	90°	Screw	Diagnostic LED	yes
21700530	90°	Screw	Diagnostic LED	no

UNITRONIC® BUS LD

FLEXIBLE BUSCABLE WITH PVC OUTER SHEATH, FOR USE IN SERIAL BUS SYSTEMS

ESHOP

Construction
For fixed installation, Maximum electromagnetic screening, Bus cables for bus systems such as e.g. Modbus, SUCOnet P, Modulink P, VariNet-P, Dry or damp rooms. RS485 / RS422

Minimum Bending Radius
» Fixed installation: 8 x cable OD

Temperature Rating
» Flexing: -5°C to +70°C
» Fixed installation: -40°C to +80°C

Test Voltage
» Core/core: 1500 V rms

Part No.	Type	No. of pairs and conductor diameter (mm)	OD (mm)	Sheath Type
2170203	Stranded Conductor	1 x 2 x 0.22	5.7	PVC
2170204	Stranded Conductor	2 x 2 x 0.22	7.1	PVC

UNITRONIC® BUS LD FD P

HIGHLY FLEXIBLE BUSCABLE WITH PUR OUTER SHEATH FOR DRAG CHAIN APPLICATIONS

ESHOP

Construction
» Extra-fine wire, tinned copper strands
» Core insulation: PE
» Outer sheath: PUR, violet
» Overall screening of braided tinned-copper strands
» RS485 / RS422

Minimum Bending Radius
» Fixed installation: 6 x core diameter
» One bend at end of core: 3 x cable diameter
» Flexing: 15 x outer diameter

Temperature Rating
» Flexing: -30°C to +70°C
» Fixed installation: -40°C to +80°C

Test Voltage
» Core/core: 1500 V rms

Part No.	Type	No. of pairs and conductor diameter (mm)	OD (mm)	Sheath Type
2170213	Fine Stranded	1 x 2 x 0.25	6	PUR

UNITRONIC® BUS ASI

AS-INTERFACE CABLES FOR NETWORKING SYSTEMS IN THE FIELD

ESHOP

Construction
Communication at sensor/actuator level, Sensor-/actuator wiring, For fixed installation/occasional flexing at free, non-continuously recurring movement without tensile load, TPE version has oil resistant outer sheath. Suitable for wet areas, particularly in conjunction with water-soluble cooling lubricants.

Minimum Bending Radius
» Fixed installation: 12mm
» Flexible use 24mm

Temperature Rating
» Dependent on outer sheath material: PVC: -30°C to 90°C
» During Installation: PVC -20°C to 90°C
» TPE/Rubber Static: PVC -40°C to +85°C
» TPE/Rubber Moved: -30°C to +85°C

Test Voltage
» Core/core: 2000 V

Part No.	Type	No. of pairs and conductor diameter (mm)	Sheath Type
2170228	Fine Stranded	2 x 1.5	Rubber (Yellow)
2170229	Fine Stranded	2 x 1.5	Rubber (Black)
2170230	Fine Stranded	2 x 1.5	TPE (Yellow)
2170231	Fine Stranded	2 x 1.5	TPE (Black)
2170842	Fine Stranded	2 x 1.5	PVC (Yellow)

UNITRONIC® BUS PA

PROFIBUS CABLES FOR APPLICATIONS IN MANUFACTURING AND PROCESS AUTOMATION

ESHOP

Construction
Process-automation application for connecting sensors and actuators - including areas with risks of explosion. Fixed Installation.

Minimum Bending Radius
» Fixed installation: 10 x Cable OD

Temperature Rating
» Fixed installation: -30°C to +80°C
» During installation: -5°C to +50°C

Test Voltage
» Core/core: 1500 V rms

Part No.	Type	No. of pairs and conductor diameter (mm)	OD (mm)	Sheath Type
2170234	Stranded Conductor	1 x 2 x 1.3	8	PVC (Blue)

UNITRONIC® BUS KNX

DATA CABLE USED FOR KNX / COMMUNICATION IN BUILDING MANAGEMENT APPLICATIONS

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170240	KNX	2 x 2 x 0.8	6.6	PVC (Green)
2170241	KNX	2 x 2 x 0.8	6.6	Halogen Free

UNITRONIC® BUS DEVICENET THICK + THIN

FOR CONNECTING INDUSTRIAL DEVICES WITH PVC SHEATH FOR FIXED APPLICATIONS

ESHOP

Part No.	Type	No. of cores and AWG per conductor	OD (mm)	Sheath Type
3801234	Static THICK (TRUNK) / 3082A	1x2xAWG18 + 1x2xAWG15	12	PVC (Grey)
3801235	Static THIN (DROP) / 3084A	1x2xAWG24 + 1x2xAWG22	7.1	PVC (Grey)

UNITRONIC® DEVICENET

FOR ALLEN BRADLEY PLC COMMUNICATION NETWORKS

ESHOP

Part No.	Type	No. of cores and AWG per conductor	OD (mm)	Sheath Type
2170343	Static THIN	1x2xAWG24 + 1x2xAWG22	6.9	PVC (Violet)
2170344	Dragchain THICK	1x2xAWG18 + 1x2xAWG15	12.2	PUR (Violet)
2170345	Dragchain THIN	1x2xAWG24 + 1x2xAWG22	6.9	PUR (Violet)

UNITRONIC® BUS CAN FD P

SCREENED CAN BUS CABLE FOR DRAG CHAIN APPLICATIONS, HALOGEN-FREE, FLAME RETARDANT

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm)	OD (mm)	Sheath Type
2170272	Dragchain - HIGHLY FLEXIBLE	1 x 2 x 0.25	6.4	PUR
2170273	Dragchain - HIGHLY FLEXIBLE	2 x 2 x 0.25	8.4	PUR
2170275	Dragchain - HIGHLY FLEXIBLE	1 x 2 x 0.34	6.8	PUR
2170276	Dragchain - HIGHLY FLEXIBLE	2 x 2 x 0.34	9.6	PUR
2170278	Dragchain - HIGHLY FLEXIBLE	1 x 2 x 0.5	8.0	PUR
2170279	Dragchain - HIGHLY FLEXIBLE	2 x 2 x 0.5	10.8	PUR

UNITRONIC® BUS CAN

CAN BUSCABLES FOR FIXED INSTALLATION - UL/CSA CERTIFIED

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm)	OD (mm)	Sheath Type
2170260	FIXED	1 x 2 x 0.22	5.7	PVC
2170261	FIXED	2 x 2 x 0.22	7.6	PVC
2170263	FIXED	1 x 2 x 0.34	6.8	PVC
2170264	FIXED	2 x 2 x 0.34	8.5	PVC
2170266	FIXED	1 x 2 x 0.5	7.5	PVC
2170267	FIXED	2 x 2 x 0.5	9.6	PVC
2170269	FIXED	1 x 2 x 0.75	8.7	PVC
2170270	FIXED	2 x 2 x 0.75	11.5	PVC

UNITRONIC® BUS SWA (BLACK)

PROFIBUS STEEL WIRE ARMOURED

ESHOP

Part No.	Type	No. of cores and conductor diameter (mm)	OD (mm)	Sheath Type
3803156	STEEL WIRE ARMOURED	1 x 2 x 0.64	12.6	PVC (Black)
3803158	STEEL WIRE ARMOURED	1 x 2 x 1.0	12.8	PVC (Black)
3803159	STEEL WIRE ARMOURED	1 x 2 x 1.0	12.8	PVC (Blue)

UNITRONIC® SENSOR FD CABLE

HIGHLY FLEXIBLE CABLE FOR EXTENDING LEADS OR WIRING M8 AND M12 CONNECTORS

ESHOP

Part No.	Size	Conductors								OD (mm)
Unscreened										
		1	2	3	4	5	6	7	8	-
7038864	3 x 0.34	Brown	Blue	Black						4
7038865	4 x 0.34	Brown	White	Blue	Black					4.7
7038868	8 x 0.25	Brown	White	Green	Yellow	Grey	Pink	Blue	Red	5.9
Screened										
7038885	3 x 0.34	Brown	Blue	Black						4.3
7038886	4 x 0.34	Brown	White	Blue	Black					4.6
7038887	5 x 0.34	Brown	White	Blue	Black	Grey				5
Robust										
7038893	5 x 0.34	Brown	White	Blue	Black	Grey				4.5

UNITRONIC® M8 CONNECTORS WITH LEADS

PUR BLACK CABLE - DRAGCHAIN RATED - INCLUDES MARKER SLEEVES

ESHOP

Lead Length	Male / Pin Straight	Female / Socket Straight	Female / Socket Right Angle
3 Pole			
2m	22260204	22260202	22260203
5m	22260205	22260200	22260201
10m	22260218	22260219	22260220
4 Pole			
2m	22260300	22260309	22260311
5m	22260308	22260310	22260312
10m	22260318	22260317	22260319

UNITRONIC® M8 PANEL MOUNT

PANEL MOUNTS FOR CABINETS

ESHOP

	Male	Female	Thread
3 Pole	22260100	22260102	M8
4 Pole	22260101	22260103	M8

UNITRONIC® M8 FIELD WIREABLE CONNECTORS

SCREW TERMINAL SERIES

ESHOP

Terminal	Male	Female
3 Pole		
Screw	22260120	22260125
4 Pole		
Screw	22260121	22260126

3 POLE

4 POLE

UNITRONIC® M12 CONNECTORS WITH LEADS

PUR OR PVC BLACK CABLE - DRAG CHAIN RATED - INCLUDES MARKER SLEEVES

ESHOP

Lead Length	Male / Pin Straight PUR	Male / Pin Right Angle PUR	Female / Socket Straight PUR	Female / Socket Straight PVC	Female / Socket Right Angle PUR	Female / Socket Right Angle PVC
4 Pole						
2m	22260320	22260301	22260322	22260688	22260324	22260841
5m	22260321	22260302	22260323	22260689	22260325	22260678
10m	22260342	22260303	22260343	22260685	22260341	22260683
5 Pole						
2m	22260400	22260402	22260404		22260406	
5m	22260401	22260403	22260405		22260407	
10m	22260414	22260417	22260415		22260418	
8 Pole						
2m	22260091	22260094	22260726		22260141	
5m	22260092	22260095	22260728		22260615	
10m	22260093	22260096	22260729		22260616	

UNITRONIC® M12 PANEL MOUNT

PANEL MOUNTS FOR CABINETS

ESHOP

Thread	Male	Female	Suitable Locknut
4 Pole			
M16	22260108	22260107	52103010
PG9	22260113	22260114	52003500
5 Pole			
M16	22260106	22260105	52103010
PG9	22260112	22260111	52003500
8 Pole			
M16	22260631	22260628	52103010

UNITRONIC® M12 FIELD WIREABLE CONNECTORS

QUICK CONNECT SERIES

ESHOP

Description	Max Cable	Male	Female	Cable Joiner
4 Pole	8mm	22260134	22260133	22260983

UNITRONIC® M12 FIELD WIREABLE CONNECTORS

SCREW TERMINAL SERIES

ESHOP

A CODED MALE

B CODED MALE

D CODED MALE

	Poles	Key Coding	Shielded	Cable OD	Male / Pin Straight	Male / Pin Right Angle	Female / Socket Straight	Female / Socket Right Angle
Standard	4 Pole	A		8mm	22260995		22260641	
	4 Pole	A		6mm	22260649	22260647	22260640	22260636
	5 Pole	A		6mm	22260129	22260130	22260127	22260128
	8 Pole	A		6mm	22260652		22260645	
Shielded	5 Pole	A	Shielded	8mm	22260135	22262108	22260136	22262109
	8 Pole	A	Shielded	8mm	22260825		22260826	
Fieldbus	4 Pole	D / Ethernet	Shielded	8mm	22260820		22261016	
	5 Pole	B / Profibus	Shielded	8.5mm	22260653		22260646	

THE NEW LCD ADDITION TO LAPP

The new LCD addition to LAPP brings extensive industrial connector expertise into the LAPP portfolio, significantly expanding the EPIC® connection range.

With more than 7,000 standard catalogue configurations, the new LCD addition brings significant depth to LAPP's EPIC® connector portfolio - led by an extensive M-series range and supported by RJ45, USB, D-sub, VGA and other industrial connection solutions. The LCD range allows customers to access an even broader selection of reliable industrial connectivity solutions from one trusted supplier.

LCD also strengthens LAPP's customised projects and harnessing capabilities, offering custom-built assemblies, low minimum order quantities, fast lead times and the integration of UL-compliant components for application-specific connection solutions.

M5
CIRCULAR CABLE CONNECTORS

Purpose-built for the miniature sensor market and applications needing multiple sensors within a very small area.

M12
T-ADAPTER & Y-SPLITTERS

Splits wires into 2 to 5 connectors, enabling more single-channel input or output devices per port.

M8
CIRCULAR CABLE CONNECTORS

A wide range of M8 connectors ideally suited to small sensors, actuators and industrial control networks.

M16
CIRCULAR CONNECTORS

Designed for signal and power applications, with a metal shielded body highly resistant to harsh environments.

M12
CIRCULAR MOULDED CABLE

M12 locking-thread connectors for Automation, Process Control, Industrial Ethernet, Railway CCTV and Boat cabling.

7/8"
MINI-CHANGE CIRCULAR CABLE CONNECTORS

IP67 connectors mating-compatible with industry mini-change connectors, for both signal and electrical current applications.

M12
CIRCULAR PANEL CONNECTORS

A wide range of panel-type connectors offering comprehensive solutions for sensor/actuator and M12 device connections.

I/O
INDUSTRIAL DATA CABLE CONNECTORS

Standard interface cables plus customised assemblies and wire harnesses for power, signal, PLC and servo motor cabling.

M12
FIELD WIREABLE CONNECTORS

High flexibility for field wiring, with crimping, soldering or screw termination for quick assembly and disassembly.

NMEA 2000
BOAT CABLE CONNECTORS

Compatible with the CANBus used on road vehicles and DeviceNet fieldbus cable specifications.

INDUSTRIAL

ETHERLINE® CAT.5 ARM

INDUSTRIAL ETHERNET CABLE CAT.5 FOR DIRECT BURIAL AND RODENT PROTECTION

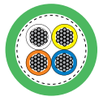
ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170496	Solid CAT.5	2 x 2 x AWG22/1	9.3	PE - Double Layer Steel

ETHERLINE® TORSION CAT.5

ETHERNET CABLE CAT.5, CLASS D FOR HIGH FLEXIBLE TORSION STRESS APPLICATIONS

ESHOP



Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170888	Stranded CAT.5	2 x 2 x AWG22/19	6.5	PUR

ETHERLINE® CAT.5E

ETHERNET CABLE CATEGORY 5E, CLASS D FOR FIXED INSTALLATION - VERIFIED UP TO 100 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170280	Solid CAT.5e	2 x 2 x AWG24/1	5.6	LSZH Halogen-Free
2170296	Solid CAT.5e	4 x 2 x AWG24/1	6.1	LSZH Halogen-Free

ETHERLINE® CAT.5E FLEX

ETHERNET CABLE CATEGORY 5E, CLASS D FOR FLEXIBLE USE - VERIFIED UP TO 100 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170299	Stranded CAT.5e	4 x 2 x AWG26/7	6.1	LSZH Halogen-Free
2170300	Stranded CAT.5e	4 x 2 x AWG26/7	6.1	PUR Halogen-Free
2170284	Stranded CAT5e	2 x 2 x AWG26/7	5.6	PUR Halogen-Free
2170486	Stranded CAT.5e	4 x 2 x AWG26/7	6.2	PVC

ETHERLINE® CAT.5E FD

ETHERNET CABLE CATEGORY 5E, CLASS D FOR DRAG CHAIN - VERIFIED UP TO 100 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170289	Finely Stranded CAT.5e	2 x 2 x AWG26/19	5.9	PUR Halogen-Free
2170489	Finely Stranded CAT.5e	4 x 2 x AWG26/19	6.3	PUR Halogen-Free
2170894	Finely Stranded CAT.5e	2 x 2 x AWG22/7	6.5	PUR Halogen-Free

ETHERLINE® FIRE

INDUSTRIAL ETHERNET CABLE FOR FIXED INSTALLATIONS, INSULATION INTEGRITY FOR 120 MINUTES

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170905	Solid CAT.5e	4 x 2 x AWG23/1	8.6	Halogen-free and flame retardant FRNC
2170913	Solid CAT.6	4 x 2 x AWG22/1	10.2	Halogen-free and flame retardant FRNC

INDUSTRIAL CONTINUED

ETHERLINE® CAT.6 FD

ETHERNET CABLE CATEGORY 6, CLASS E FOR DRAG CHAIN - VERIFIED UP TO 250 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170488	Finely Stranded CAT.6	4 x 2 x AWG26/19	7.8	PUR Halogen-Free

ETHERLINE® FD CAT.6A

ETHERNET CABLE CATEGORY 6A, CLASS EA FOR USE IN DRAG CHAIN APPLICATIONS - VERIFIED UP TO 500 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170484	Stranded CAT.6A	4 x 2 x AWG24/7	8.9	PUR Halogen-Free
2170485	Stranded CAT.6A	4 x 2 x AWG24/7	8.9	PVC

ETHERLINE® CAT.6A FIXED

ETHERNET CABLE CATEGORY 6A, CLASS EA FOR FIXED INSTALLATIONS - VERIFIED UP TO 500 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170464	Solid CAT.6A	4 x 2 x AWG22/1	8.7	PVC

ETHERLINE® CAT.7 FLEX

ETHERNET CABLE CATEGORY 7, CLASS E FOR FLEXIBLE USE - VERIFIED UP TO 10 GBIT/S

ESHOP

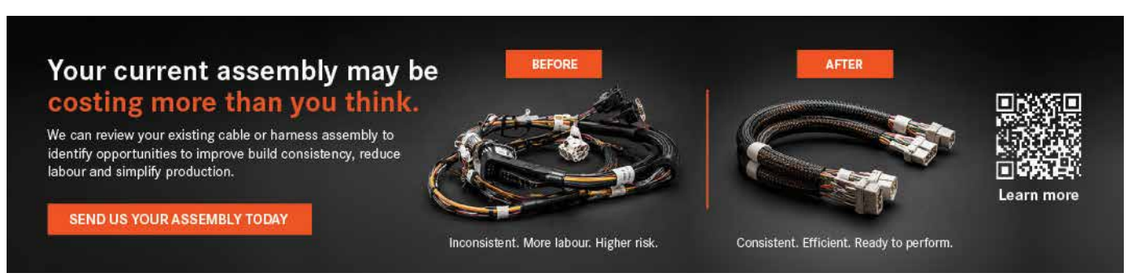
Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170934	Stranded CAT.7	4 x 2 x AWG26/7	6.4	PUR Halogen-Free

ETHERLINE® TORSION CAT.7

ETHERNET CABLE CAT.7, CLASS E FOR HIGH FLEXIBLE TORSION STRESS APPLICATIONS

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170481	Stranded CAT.7	4 x 2 x AWG24/7	9.4	PUR



PROFINET

ETHERLINE® PN CAT.5 FLEX FC

ETHERNET CABLE CATEGORY 5E, FOR FLEXIBLE USE - VERIFIED UP TO 100 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170886	Stranded CAT.5e	2 x 2 x AWG22/7	6.5	PVC

ETHERLINE® PN CAT.5E Y

ETHERNET CABLE CATEGORY 5E, FIXED INSTALLATION - VERIFIED UP TO 100 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170891	Solid CAT.5e	2 x 2 x AWG22/1	6.3	PVC

ETHERLINE® PN CAT.7

ETHERNET CABLE CATEGORY 7, CLASS F FOR FIXED INSTALLATIONS - VERIFIED UP TO 600 MHZ

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170607	Solid CAT.7	2 x 4 x AWG23/1	8.1	PUR Halogen-Free

ETHERLINE® ROBOT PN

ETHERNET CABLE CAT.5E, FOR HIGHLY FLEXIBLE ROBOT APPLICATIONS

ESHOP

Part No.	Type	No. of pairs and conductor diameter (mm/AWG)	OD (mm)	Sheath Type
2170941	Stranded CAT.5E	1 x 4 x AWG22/19	6.8	PUR

ETHERLINE® ROBUST PN

INDUSTRIAL ETHERNET CABLE FOR FOOD AND BEVERAGE (CHEMICAL RESISTANT)

ESHOP

Construction
7-wire bare stranded copper conductor, Core insulation: Based on Polyolefin, Screening: wrapped with braided tinned-copper wires, Outer sheath made of special TPE

Minimum Bending Radius
» Flexing: 10 x OD
» Fixed installation: 8 x OD

Temperature Rating
» Occasional flexing: -40°C to +80°C
» Fixed installation: -50°C to +80°C

Impedance
» nom. 100 Ω acc. to IEC 61156-6

Part No.	Cores	Pairs	Conductor	OD (mm)
2170451	4	2	22/7 AWG	6.5
2170452	8	4	23/7 AWG	8.7
2170453	8	4	26/7 AWG	6.2

ETHERLINE® LAN 200 CAT.5E

LAN CABLE FOR CATEGORY 5E/CLASS D UP TO 200 MHZ

ESHOP

Construction
Solid conductor 4x2xAWG24/1

Minimum Bending Radius
» Fixed installation: 4 x Cable OD
» During installation: 8 x Cable OD

Temperature Rating
» Fixed installation: -20°C to +60°C
» During installation: 0 °C to +50 °C

Impedance
» 100 Ω ± 15%/ 100 MHz

Part No.	Description	Cores	Pairs	Conductor	OD (mm)
2170950	LAN Cat.5e U/UTP	8	4	24AWG	5.1
2170951	LAN Cat.5e SF/UTP	8	4	24AWG	6.3
2170952	LAN Cat.5e F/UTP	8	4	24AWG	6.3
2170953	LAN Cat.5e SF/UTP	8	4	24AWG	6.4

ETHERLINE® LAN 350 CAT.6

LAN CABLE FOR CATEGORY 6/CLASS E UP TO 350 MHZ

ESHOP

Construction
Solid conductor U/UTP: no overall or pair screening, 2 cores stranded to pair, 4 pairs stranded to bundle with central cross F/UTP: Foil shielding as overall shielding, 2 cores stranded to pair, 4 pairs stranded to bundle with central cross outer sheath either as PVC (grey RAL 7035) or LSZH (orange RAL 2003).

Minimum Bending Radius
» Fixed installation: 4 x Cable OD
» During installation: 8 x Cable OD

Temperature Rating
» Fixed installation: -20°C to +60°C
» During installation: 0 °C to +50 °C

Impedance
» nom. 100 Ω acc. to IEC 61156-5

Part No.	Description	Cores	Pairs	Conductor	OD (mm)
2170955	LAN Cat.6 U/UTP	8	4	24AWG	6.0
2170956	LAN Cat.6 F/UTP	8	4	24AWG	7.4

UNITRONIC® LAN 500 CAT.6A

LAN CABLE FOR CATEGORY 6A/CLASS EA UP TO 500MHZ

ESHOP

Construction
PVC sheath, solid conductor,
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil

Minimum Bending Radius
» Fixed installation: 4 x cable OD
» During installation: 8 x cable OD

Temperature Rating
» Fixed installation: -20°C to +60°C
» Flexing: 0°C to +50°C

Impedance
» 100 Ω ± 15%

Part No.	Description	Cores	Pairs	Conductor	OD (mm)
2170143	LAN Cat.6A S/FTP	8	4	23AWG	7.7

UNITRONIC® LAN 600 CAT.7

LAN CABLE FOR CATEGORY 7 UP TO 600MHZ

ESHOP

Minimum bending radius
» During installation: 8 x OD
» Fixed installation: 4 x OD

Benefits
» For directly connecting two electric components
» Easy to assemble

Application Range
» Indoor applications
» LAN connections
» Control cabinet wiring

Temperature Range
» Operating temperature: -20°C to +60°C
» During installation: 0 °C to +50 °C

Part No.	Type	Strands/Conductor	Cores & Size	OD
2170144	LAN FLEX S/FTP CAT7 Y	7	4 x 2 x 26AWG	6.2

ETHERNET PATCH CABLE

CAT.6 ETHERNET F/UTP LSZH PATCH CABLES FOR INDUSTRIAL APPLICATIONS

ESHOP

Construction
» Stranded bare copper wires
» Core insulation: HD Polyethylene
» Moulded RJ45 connectors
» Low smoke zero halogen

Temperature Rating
» Fixed installation: -20°C to +65°C

Rated Voltage
» 150 V

Test Voltage
» 1000V

Cable Length	0.5m	1m	1.5m	2m	3m	5m	7.5m	10m	15m	20m
Grey (stocked range)	3805824	3805825	3805826	3805827	3805828	3805829	3805830	3805831	3805632	3805633

ETHERLINE® RJ45 CONNECTORS

FOR ETHERNET NETWORKS IN FACTORY INSTALLATIONS

ESHOP

21700600 - FIELD MOUNTABLE No Tools Required

Features

4 Pair: Standard T568A
Solid Wire: 24 to 22AWG
7 Stranded: 27 to 22AWG
Cable OD: 5-9mm

21700652 - FIELD MOUNTABLE Now With Gland

Features

4 Pair: Standard T568A
Solid Wire: 24 to 22AWG
7 Stranded: 27 to 22AWG
Cable OD: 5.5-10mm

21700615 - FOR FD CABLES No Tools Required

Features

4 Pair: Standard T568A
For FD Dragchain Cables
Solid Wire: 26 to 24AWG
7 Stranded: 27 to 24AWG
19 Stranded: 26AWG
Cable OD: 5-9mm

21700654 - FOR FD CABLES Now With Gland

Features

4 Pair: Standard T568A
For FD Dragchain Cables
Solid Wire: 26 to 24AWG
7 Stranded: 27 to 24AWG
19 Stranded: 26AWG
Cable OD: 5.5-10mm

21700605 - PROFINET® COLOUR CODING No Tools Required

Features

2 Pair: ProfiNet YE, OG, BU, WH
Solid Wire: 24 to 22AWG
7 Stranded: 27 to 22AWG
Cable OD: 5-9mm

21700651 - PROFINET® COLOUR CODING Now With Gland

Features

2 Pair: ProfiNet YE, OG, BU, WH
Solid Wire: 24 to 22AWG
7 Stranded: 27 to 22AWG
Cable OD: 5.5-10mm

21700639 - FOR FD CABLES No Tools Required

Features

4 Pair: Standard T568A
90 Degree cable exit
4 Way Mountable
For FD Dragchain Cables
Solid Wire: 26 to 24AWG
7 Stranded: 27 to 24AWG
19 Stranded: 26AWG
Cable OD: 5-10mm

21700636 - FOR STANDARD CABLES No Tools Required

Features

4 Pair: Standard T568A
90 Degree cable exit
4 Way Mountable
Solid Wire: 24 to 22AWG
7 Stranded: 27 to 22AWG
Cable OD: 5-10mm

21700611 - RJ45 CAT.6A COUPLER

Features

Available with colour code T568A (21700611) or T568B (21700612). Qualified for 10 Gigabit/s Ethernet, metal housing suitable for industrial applications.
Installation without tools
RJ45 suitable for Cat.6A

21700613 - DIN RAIL ETHERNET SOCKET

Features

Fully Enclosed
Cover flap when socket not in use
Ideal for Ethernet Patch cables in Switchboards
Bring your main cable in, then run a short patch cable
Suitable for speeds up to CAT6A
Solid Wire: 26 to 22AWG
7 Stranded: 27 to 22AWG

22260820 - MALE D CODED No Tools Required

Features

2 Pair: D Coded
IP67
Solid Wire: 26 to 22AWG
7 Stranded: 26 to 22AWG
Cable OD: 4-8mm

22261016 - FEMALE D CODED No Tools Required

Features

2 Pair: D Coded
IP67
Solid Wire: 26 to 22AWG
7 Stranded: 26 to 22AWG
Cable OD: 4-8mm

21700623 - ETHERNET CABLE JOINER No Tools Required

Features

For Joining Ethernet Cables
Suitable for speeds up to CAT7A
4 Pair
IP67
Solid Wire: 24 to 22AWG
7 Stranded: 24 to 22AWG
Cable OD: 5-10mm

21700540 - FIELD MOUNTABLE No Tools Required

Features

4 Pair: Standard T568A
Suitable for speeds up to CAT5e
Solid Wire: 26 to 23AWG
7 Stranded: 26 to 24AWG

WAGO ECBS

ELECTRONIC CIRCUIT BREAKER

ESHOP

Description

The ECB checks whether the output current is greater than the nominal current. As soon as the output current exceeds the nominal current, the output is electronically switched off by a semiconductor switch. Trip time depends on the magnitude of the overcurrent.

Benefits

» Ensures precision settings
» Reaction within a short time even at low overcurrents
» Protection of long cable runs and small cross sections possible

787-1664

787-1668

787-2861/400-000

Multi-Channel - Channel Adjustable via Selector Switch	
787-1664	4-channel ; 2/3/4/6/8/10A
787-1668	8-channel ; 2/3/4/6/8/10A
Multi-Channel - Channel Adjustable via Selector Switch & IO-Link Interface	
787-1664/000-080	4-channel ; 1/2/3/4/6/8/10A adjustable for each channel separately via IO-Link interface - 1/2/4/6/10A adjustable for each channel via selector switch
787-1668/000-080	8-channel ; 1/2/3/4/6/8/10A adjustable for each channel separately via IO-Link interface - 1/2/4/6/10A adjustable for each channel via selector switch
Multi-Channel - Channel Adjustable via Selector Switch with Active Current Limitation	
787-1664/006-1000	4-channel ; 0.5/1/2/3/4/6A
Single Channel Adjustable	
787-2861/108-020	1-channel; 24 VDC input voltage; adjustable 1 to 8 A; Signal contact
Single Channel Fixed	
787-2861/100-000	1-channel; 24 VDC input voltage; 1 A; communication capability
787-2861/200-000	1-channel; 24 VDC input voltage; 2 A; communication capability
787-2861/400-000	1-channel; 24 VDC input voltage; 4 A; communication capability
787-2861/600-000	1-channel; 24 VDC input voltage; 6 A; communication capability
787-2861/800-000	1-channel; 24 VDC input voltage; 8 A; communication capability

POWERLOCK CONNECTORS

IP67 SINGLE-POLE HIGH POWER LOW VOLTAGE CONNECTORS

ESHOP

Benefits
- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to NZ standards
- Every colour has a different coding to prevent incorrect plugging

Application range
- For renewable energy plants, e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology
- Max. cable CSA 120mm

Voltage Rating
- 1000V

Current Rating
- 400A

IP Rating
- IP67

PanelDrains

Part No.	PL_PD_RD	PL_PD_WH	PL_PD_BU	PL_PD_BK	PL_PD_GN
AUS Colours	Red	White	Blue	Black (Neutral)	Green (Earth)
Included Parts	Part number includes housing and contact with M12 stud				

PanelSource

Part No.	PL_PS_RD	PL_PS_WH	PL_PS_BU	PL_PS_BK	PL_PS_GN
AUS Colours	Red	White	Blue	Black (Neutral)	Green (Earth)
Included Parts	Part number includes housing and contact with M12 stud				

Line Drain

Part No.	PL_LD_RD	PL_LD_WH	PL_LD_BU	PL_LD_BK	PL_LD_GN
AUS Colours	Red	White	Blue	Black (Neutral)	Green (Earth)
Included Parts	Part number includes housing, contact, 120mm sleeve and M40 gland				

Line Source

Part No.	PL_LS_RD	PL_LS_WH	PL_LS_BU	PL_LS_BK	PL_LS_GN
AUS Colours	Red	White	Blue	Black (Neutral)	Green (Earth)
Included Parts	Part number includes housing, contact, 120mm sleeve and M40 gland				

POWERLOCK ACCESSORIES

ACCESSORIES FOR POWERLOCK CONNECTORS

ESHOP

DISCONNECTION TOOL

REDUCTION KIT

PROTECTION CAPS LINE

PROTECTION CAPS PANEL

Part No.	Description	Purpose	Details
Tools			
44420243	PowerLock Disconnection Tool	Removal tool for mated PowerLock Connectors	
Reduction Kits			
44420245	PowerLock Reduction Kit 95	Reduction set for PowerLock screw contact	120mm to 95mm
44420246	PowerLock Reduction Kit 70	Reduction set for PowerLock screw contact	120mm to 70mm
44420247	PowerLock Reduction Kit 50	Reduction set for PowerLock screw contact	120mm to 50mm
Protection Caps			
44420250	PowerLock Protection Cap F6	For Line Drain Connectors	IP54
44420251	PowerLock Protection Cap D6	For Line Source Connectors	IP54
44420252	PowerLock Protection Cap A1	For Panel Drain Connectors	IP54
44420253	PowerLock Protection Cap A6	For Panel Source Connectors	IP54

PCE

CEE FORM
Plugs & Sockets

MADE IN AUSTRIA

A connection meant to last

CEE CONNECTORS & PLUGS

PCE 16A TO 125A CONNECTORS & PLUGS IP44 & IP67

ESHOP

Features

PCE has a dynamic range of CEE Connectors ranging from 16A to 125A, 3 to 5 Pole and available in IP44 or IP67 versions. A robust design that can challenge harsh environments. Quick and easy assembly that saves time and energy.

Construction

» Polyamide 6
» PC/ABS
» Halogen Free

Benefits

» Excellent impact resistance
» High Thermal Stability (self-extinguishing)
» High abrasion resistance
» High weather & UV-resistance
» Very good chemical resistance

Conformities

» ISO 4892-2
» RoHS-directive 2011/65/EU

		Connector		Plug		Midnight Connector	Midnight Plug
Type	**Poles**	**IP44**	**IP67**	**IP44**	**IP67**	**IP44**	**IP44**
				16A			
230Vac 50/60Hz	3	213-6	2132-6	013-6	0132-6	213-6X	013-6X
400Vac 50/60Hz	4	214-6	2142-6	014-6	0142-6	214-6X	014-6X
400Vac 50/60Hz	5	215-6	2152-6	015-6	0152-6	215-6X	015-6X
				32A			
230Vac 50/60Hz	3	223-6	2232-6	023-6	0232-6	223-6X	023-6X
400Vac 50/60Hz	4	224-6	2242-6	024-6	0242-6	224-6X	024-6X
400Vac 50/60Hz	5	225-6	2252-6	025-6	0252-6	225-6X	025-6X
				63A			
230Vac 50/60Hz	3	2331-6	233-6	0331-6	033-6	233-6XS	033-6XS
400Vac 50/60Hz	4	2341-6	234-6	0341-6	034-6	234-6XS	034-6XS
400Vac 50/60Hz	5	2351-6	235-6	0351-6	035-6	235-6XS	035-6XS
				125A			
230Vac 50/60Hz	3		243-6		043-6	243-6XS	043-6XS
400Vac 50/60Hz	4		244-6		044-6	244-6XS	044-6XS
400Vac 50/60Hz	5		245-6		045-6	245-6XS	045-6XS

CEE WALL MOUNT SOCKETS & APPLIANCE INLETS

PCE 16A TO 125A WALL MOUNT SOCKETS & APPLIANCE INLETS IP44 & IP67

ESHOP

		Wall Socket		Wall Plug / Inlet	
Type	**Poles**	**IP44**	**IP67**	**IP44**	**IP67**
			16A		
230Vac 50/60Hz	3	113-6	1132-6	513-6	5132-6K
400Vac 50/60Hz	4	114-6	1142-6	514-6	5142-6K
400Vac 50/60Hz	5	115-6	1152-6	515-6	5152-6K
			32A		
230Vac 50/60Hz	3	123-6	1232-6	523-6	5232-6K
400Vac 50/60Hz	4	124-6	1242-6	524-6	5242-6K
400Vac 50/60Hz	5	125-6	1252-6	525-6	5252-6K
			63A		
230Vac 50/60Hz	3		133-6		533-6
400Vac 50/60Hz	4		134-6		534-6
400Vac 50/60Hz	5		135-6		535-6
			125A		
230Vac 50/60Hz	3		143-6		543-6
400Vac 50/60Hz	4		144-6		544-6
400Vac 50/60Hz	5		145-6		545-6

CEE FLANGED SOCKET & PLUG - STRAIGHT

PCE 16A TO 125A SOCKET & PLUG IP44 & IP67

ESHOP

		Straight Flanged Socket		Straight Flanged Inlet		Midnight Straight Flanged Socket	Midnight Straight Flanged Plug
Voltage	**Poles**	**IP44**	**IP67**	**IP44**	**IP67**	**IP44**	**IP44**
				16A			
230Vac 50/60Hz	3	313-6F7	3132-6	613-6	6132-6	313-6X	613-6X
400Vac 50/60Hz	4	314-6F7	3142-6	614-6	6142-6	314-6X	614-6X
400Vac 50/60Hz	5	315-6F7	3152-6	615-6F7	6152-6	315-6X	615-6X
				32A			
230Vac 50/60Hz	3	323-6F7	3232-6	623-6	6232-6	323-6X	623-6X
400Vac 50/60Hz	4	324-6F7	3242-6	624-6	6242-6	324-6X	624-6X
400Vac 50/60Hz	5	325-6F7	3252-6	625-6F7	6252-6	325-6X	625-6X
				63A			
230Vac 50/60Hz	3		333-6		633-6	333-6XS	
400Vac 50/60Hz	4		334-6		634-6	334-6XS	
400Vac 50/60Hz	5		335-6		635-6	335-6XS	
				125A			
230Vac 50/60Hz	3		343-6		643-6	343-6XS	
400Vac 50/60Hz	4		344-6		644-6	344-6XS	
400Vac 50/60Hz	5		345-6		645-6	345-6XS	

CEE FLANGED SOCKET & APPLIANCE INLET - SLOPING/ANGLED

PCE 16A TO 125A SOCKET & APPLIANCE INLET - IP44 & IP67

ESHOP

		Sloping Flanged Socket		Angled Flanged Inlet		Midnight Sloping Flanged Socket	
Voltage	**Poles**	**IP44**	**IP67**	**IP44**	**IP67**	**IP44**	**IP67**
				16A			
230Vac 50/60Hz	3	413-6F8	4132-6F8	77713-6	777132-6	413-6F8X	
400Vac 50/60Hz	4	414-6F8	4142-6F8	77714-6	777142-6	414-6F8X	
400Vac 50/60Hz	5	415-6	4152-6F78	77715-6	777152-6	415-6X	
				32A			
230Vac 50/60Hz	3	423-6	4232-6F7	77723-6	777232-6	423-6X	
400Vac 50/60Hz	4	424-6	4242-6F78	77724-6	777242-6	424-6X	
400Vac 50/60Hz	5	425-6	4252-6F78	77725-6	777252-6	425-6X	
				63A			
230Vac 50/60Hz	3		433-6		77733-6		433-6XS
400Vac 50/60Hz	4		434-6		77734-6		434-6XS
400Vac 50/60Hz	5		435-6		77735-6		435-6XS
				125A			
230Vac 50/60Hz	3		443-6		743-6		443-6VS
400Vac 50/60Hz	4		444-6		744-6		444-6XS
400Vac 50/60Hz	5		445-6		745-6		445-6XS

Midnight range: coloured in black for the events industry to hide "invisibly" in the background.

CEE CARAVAN PLUGS AND SOCKETS

PCE CARAVAN PLUGS AND SOCKETS 16A 230VAC 50/60HZ IP44 & IP67

ESHOP

Description

PCE Caravan devices are perfectly designed for the use on camp sites, caravans and marinas

Benefits

» Robust Design
» Brass or Nickel-Plated Contacts

Features

» Ingress Protection options - IP44 & IP67
» Current Rating/Number or Poles - 16A 3P
» Position of Earth Contact - 6H

Voltage

» 230Vac 50/60Hz

	Wall Mount Plug		Flanged Plug Angled		Socket		Plugs		Connectors		Angled
	IP44	**IP67**	**IP44**	**IP67**	**IP44**	**IP67**	**IP44**	**IP67**	**IP44**	**IP67**	**IP44**
Item No	513-6D	5132-6K	77713-6	777132-6	113-6	1132-6	013-6	0132-6	213-6	2132-6	8213-6
Dust Caps		20163	TS613G	20163			TS613G	20163			

EPIC® HA 3+E & 4+E POLE SERIES

RECTANGULAR INDUSTRIAL CONNECTORS FOR RELIABLE MULTIPOLE CONNECTIONS

ESHOP

MULTI-POLE INSERTS

METAL HOODS

METAL BASES & COUPLERS

Part No.	Type	Poles	Rating	Thread	Grey Nylon Gland	Grey Spiral Gland	Metal Gland
Multi-Pole Inserts							
10420000	Male Insert	3 Pole + Earth	400V / 23A				
10421000	Female Insert	3 Pole + Earth	400V / 23A				
10431000	Male Insert	4 Pole + Earth	400V / 23A				
10432000	Female Insert	4 Pole + Earth	400V / 23A				
Metal Hoods							
10512100	Straight Metal			PG11	53015020	53015620	52015720
10512300	90° Metal			PG11	53015020	53015620	52015720
19512100	Straight Metal			M20	53111020	53111620	53112020
19512300	90° Metal			M20	53111020	53111620	53112020
Metal Bases & Couplers							
10424500	Base With Gland			PG11	53015020	53015620	52015720
19512700	Base With Gland			M20	53111020	53111620	53112020
10512900	Coupler Hood			PG11	53015020	53015620	52015720
19512900	Coupler Hood			M20	53111020	53111620	53112020
10422500	Panel Mount						

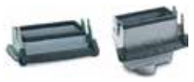
EPIC® HB 6+E POLE SERIES - SINGLE LEVER

RECTANGULAR INDUSTRIAL CONNECTORS FOR RELIABLE MULTIPOLE CONNECTIONS

ESHOP

MULTI-POLE INSERTS

METAL HOODS



METAL BASES & COUPLERS

Part No.	Type	Poles	Rating	Thread	Grey Nylon Gland	Grey Spiral Gland	Metal Gland
Multi-Pole Inserts							
10190000	Male Insert Wire Protection	6 + Earth	500V / 16A				
10191000	Female Insert Wire Protection	6 + Earth	500V / 16A				
10190100	Male Insert	6 + Earth	500V / 16A				
10191100	Female Insert	6 + Earth	500V / 16A				
10170000	Male Insert - High Current	6 + Earth	500V / 35A				
10171000	Female Insert - High Current	6 + Earth	500V / 35A				
Metal Hoods							
10021000	Straight - Double Stud			PG16	53015040	53015640	52015740
19021000	Straight - Double Stud			M25	53111030	53111630	53112030
19012000	90 Degree - Double Stud			M20	53111020	53111620	53112020
19022000	90 Degree - Double Stud			M25	53111030	53111630	53112030
Metal Bases & Couplers							
10024000	Couple Hood Straight - Single Lever			PG16	53015040	53015640	52015740
19014000	Couple Hood Straight - Single Lever			M20	53111020	53111620	53112020
19005000	Box Mount - Single Lever			M20	53111020	53111620	53112020
10003000	Panel Mount - Single Lever						
10004000	Panel Mount - Single Lever + Cover						

EPIC® HB 10+E POLE SERIES - SINGLE & DOUBLE LEVER

RECTANGULAR INDUSTRIAL CONNECTORS FOR RELIABLE MULTIPOLE CONNECTIONS

ESHOP

MULTI-POLE INSERTS

METAL HOODS

METAL BASES & COUPLERS

Part No.	Type	Poles	Rating	Thread	Grey Nylon Gland	Grey Spiral Gland	Metal Gland
Multi-Pole Inserts							
10192000	Male Insert Wire Protection	10 + Earth	500V / 16A				
10193000	Female Insert Wire Protection	10 + Earth	500V / 16A				
10192100	Male Insert	10 + Earth	500V / 16A				
10193100	Female Insert	10 + Earth	500V / 16A				
Metal Hoods							
10040000	Straight - 4 Stud			PG16	53015040	53015640	52015740
10040100	Straight - 4 Stud			PG21	53015050	53015650	52015750
19040100	Straight - 4 Stud			M25	53111030	53111630	53112030
70050600	Straight High - 4 Stud			PG29	53015060		52015760
79050400	Straight High - 4 Stud			M25	53111030	53111630	53112030
10042000	90 Degree - 4 Stud			PG16	53015040	53015640	52015740
19042100	90 Degree - 4 Stud			M25	53111030	53111630	53112030
10040700	Straight - 2 Stud			PG21	53015050	53015650	52015750

EPIC® HB 10+E CONTINUED

Part No.	Type	Poles	Rating	Thread	Grey Nylon Gland	Grey Spiral Gland	Metal Gland
Metal Bases & Couplers							
10046000	Straight - Double Lever			PG16	53015040	53015640	52015740
70040400	Straight High - Double Lever			PG21	53015050	53015650	52015750
10049000	Replacement Levers - Double						
10032000	Panel Mount - Double Lever						
10032900	Panel Mount - Single Lever						
10033900	Panel Mount - Single Lever + Cover						
10048700	Protective Cover With Loop						

EPIC® HB 16+E POLE SERIES - SINGLE LEVER

RECTANGULAR INDUSTRIAL CONNECTORS FOR RELIABLE MULTIPOLE CONNECTIONS

ESHOP

MULTI-POLE INSERTS

METAL HOODS

METAL BASES & COUPLERS

Part No.	Type	Poles	Rating	Thread	Grey Nylon Gland	Grey Spiral Gland	Metal Gland
Multi-Pole Inserts							
10194000	Male Insert Wire Protection	16 + Earth	500V / 16A				
10195000	Female Insert Wire Protection	16 + Earth	500V / 16A				
10194100	Male Insert	16 + Earth	500V / 16A				
10195100	Female Insert	16 + Earth	500V / 16A				
Metal Hoods							
10080900	Straight - Double Stud			PG21	53015050	53015650	52015750
19080900	Straight - Double Stud			M25	53111030	53111630	53112030
19082900	90 Degree - Double Stud			M25	53111030	53111630	53112030
Metal Bases & Couplers							
10072900	Panel Mount - Single Lever						
10073900	Panel Mount - Single Lever + Cover						
10072000	Panel Mount - Double Lever						
10073000	Panel Mount - Double Lever + Cover						
10074900	Box Mount - Single Lever			PG21	53015050	53015650	52015750
10086900	Couple Hood Straight - Single Lever			PG21	53015050	53015650	52015750

EPIC® HB 24+E POLE SERIES - SINGLE & DOUBLE LEVER

RECTANGULAR INDUSTRIAL CONNECTORS FOR RELIABLE MULTIPOLE CONNECTIONS

ESHOP

MULTI-POLE INSERTS

METAL HOODS

METAL BASES & COUPLERS

Part No.	Type	Poles	Rating	Thread	Grey Nylon Gland	Grey Spiral Gland	Metal Gland
Multi-Pole Inserts							
10196000	Male Insert	24 + earth	500V / 16A				
10197000	Female Insert	24 + earth	500V / 16A				
Metal Hoods							
10121900	Straight - Double Stud			PG21	53015050	53015650	52015750
19121900	Straight - Double Stud			M25	53111030	53111630	53112030
10121000	Straight - 4 Stud			PG21	53015050	53015650	52015750
10127000	Straight - Double Lever			PG21	53015050	53015650	52015750
19113900	90 Degree - Double Stud			M25	53111030	53111630	53112030
10123900	90 Degree - Double Stud			PG29	53015060		52015760
Metal Bases & Couplers							
10102900	Panel Mount - Single Lever						
10103900	Panel Mount - Single Lever + Cover						
10103000	Panel Mount - Double Lever + Cover						
19104900	Surface Mount - Single Lever			M25	53111030	53111630	53112030
10102000	Surface Mount - Double Lever						
10127900	Couple Hood Straight - Single Lever			PG21	53015050	53015650	52015750
10118700	Protective Cover With Loop						

REVOS EX

INDUSTRIAL CONNECTORS FOR EXPLOSION-RISK AREAS

- Extensive local stock
- Five frame sizes
- 6 to 48 Contacts + PE

wieland

Reliable multipole connections for intrinsically safe circuits

SAFE, ROBUST AND CONFIGURABLE

Wieland Revos EX Heavy-duty connectors provide detachable multipole connections for intrinsically safe circuits in potentially explosive environments, particularly mining applications. The distinctive blue die-cast zinc housings protect the contact inserts against mechanical damage and harsh industrial conditions.

TECHNICAL DATA

Rated voltage	**Contacts**
90 V	6, 10, 16, 24, 48 + PE
Rated current	**Conductor range**
Up to 16 A	0.5-2.5 mm²
Termination	**Protection**
Screw	IP54 to IP65

MALE & FEMALE INSERTS

6, 10, 16, 24 AND 48 POLES + PE

ESHOP

Matching plug and socket inserts for intrinsically safe power and control circuits.

Features

» Screw connection, 0.5-2.5 mm²
» Tin or gold-plated contacts
» Up to 16 A, conductor dependent

CONNECTOR HOODS

SIZES 6, 10, 16, 24 AND 48

ESHOP

Blue die-cast zinc cable-entry hoods for reliable mechanical protection.

Features

» Top and side-entry options
» Single or double locking by size
» Versions with protective covers

PANEL-MOUNT BASES

OPEN-BOTTOM EQUIPMENT CONNECTIONS

ESHOP

Bases for mounting the connector directly to a control panel, enclosure or machine.

Features

» Gasketed open-bottom construction
» Lever-locking connection
» Cover options for unmated protection

SURFACE & COUPLING BASES

FIXED OR CABLE-TO-CABLE CONNECTIONS

ESHOP

Enclosed bases and coupling configurations support flexible machine and equipment connections.

Features

» Side or bottom cable entry
» Single and dual-entry versions
» Low and high-profile options

Explore more

Scan the QR code to explore more of our Wieland Revos Ex Products

EPIC® M23 ENCODER

IP68 CONNECTORS FOR ENCODERS

ESHOP

Details
Metal connectors commonly used for rotary encoders. EPIC connectors are compatible with most common encoders. Terminations are done via solder buckets.

Conductor Sizes
From 0.14mm² to 1mm² Conductors

Voltage Rating
100V

Current Rating
7A

IP Rating
IP68

D6

F6

A1

Part No.	Type	Description	Clamping Range
		D6	
72044030	D6	Standard Connector	7 to 10mm
72044000	D6	Standard Connector	9.5 to 13.5mm
		F6	
72064030	F6	Coupler Connector	7 to 10mm
72064000	F6	Coupler Connector	9.5 to 13.5mm
		A1	
72004000	A1	Panel Mount	

EPIC® M23 INSERTS

INSERTS FOR ENCODERS

ESHOP

Details
When selecting inserts, you should select the opposite direction for the opposing connector. I.e. Clockwise male to anticlockwise female.

9 PIN 12 PIN 16 PIN 17 PIN

Type	Clockwise		Anti-clockwise
		9 Pin	
Male	73002732		73002726
Female	73002734		73002728
		12 Pin	
Male	73002720		73002714
Female	73002722		73002716
		16 Pin	
Male	73002708		73002702
Female	73002710		73002704
		17 Pin	
Male	73028500		73028000
Female	73018500		73018000

LS1 POWER

IP68 CONNECTORS FOR SERVO DRIVES

ESHOP

Details
Metal connectors commonly used for servo drives. Many drives such as SEW use LS1 connectors. Terminations can be made via solder or crimp tool. (LS1.5 and LS3 are available on request.)

Conductor Sizes
» Power Pins: From 0.5mm² to 4mm² Conductors
» Small Pins: From 0.14mm² to 1mm² Conductors

Voltage Rating
» 630V

IP Rating
» IP68

Current Rating
» 25A (Power Pins)
» 7A (Small Pins)

D6

F6

A1

Part No.	Type	Contacts	Description	Clamping Range
		D6		
73000005	D6	5 + E	Standard Connector	10.5 to 15.5mm
73000001	D6	3 + E + 4	Standard Connector	10.5 to 15.5mm
		F6		
73000013	F6	5 + E	Coupler Connector	10.5 to 15.5mm
73000009	F6	3 + E + 4	Coupler Connector	10.5 to 15.5mm
		A1		
76003000	A1	5 + E	Panel Mount	
76004000	A1	3 + E + 4	Panel Mount	

WIELAND MINI SINGLE PHASE POWER SUPPLIES

DIN-RAIL MOUNTED MINIATURE POWER SUPPLIES

ESHOP

Features
» DIN Rail Mounting
» Plastic Housing
» Adjustable DC output
» Short circuit proof

Part No.	Vdc	Current (A)	Dimensions (WxHxD)	Input (V)	Watt
81.000.6331.0	5	3	35 x 91 x 57	110 / 240	15
81.000.6310.0	24	1	35 x 91 x 57	110 / 240	15

WIELAND POWER SUPPLIES

DIN-RAIL MOUNTED POWER SUPPLIES

ESHOP

Features
» DIN Rail Mounting
» Robust Metal Construction
» Adjustable DC output
» Alarm Relay Output

Parallel Operation
Many of the Wieland Power supplies allow for parallel mode. This increases the Current by sharing the load between multiple power supplies.

Single Phase

Three Phase

Part No.	Vdc	Current (A)	Parallel Mode	Dimensions (WxHxD)	Input (V)	Watt
Single Phase						
81.000.6331.0	5	3		35 x 91 x 57	110 / 240	15
81.000.6132.0	12	5		41 x 91 x 115	110 / 240	60
81.000.6142.0	12	10	Up to 3	63.2 x 123.6 x 123	110 / 240	120
81.000.6110.0	24	1.25		44 x 89 x 114	110 / 240	35
81.000.6120.0	24	2.5		44 x 89 x 114	110 / 240	70
81.000.6130.0	24	5	Up to 3	63 x 124 x 124	110 / 240	142.5
81.000.6140.0	24	10	Up to 3	83 x 124 x 124	110 / 240	285
81.000.6150.0	24	20	Up to 3	175 x 124 x 124	110 / 240	570
81.000.6134.0	48	5	Up to 3	175 x 124 x 124	110 / 240	480
Three Phase						
81.000.6160.0	24	5	Up to 2	75 x 124 x 118	340 - 575	240
81.000.6170.0	24	10	Up to 2	89 x 124 x 118	340 - 575	240
81.000.6180.0	24	20	Up to 2	150 x 124 x 118	340 - 575	480
81.000.6190.0	24	40	Up to 2	276 x 126 x 112	340 - 575	960

WIELAND UPS

UNINTERRUPTIBLE POWER SUPPLY FOR CRITICAL APPLICATIONS

ESHOP

Features
» Suitable for Lead-Acid and Lead-Gel Batteries
» Suitable for up to 30A
» Charges and monitors the battery condition
» Alarm output for battery failure
» Alarm output for battery discharging (primary power lost)
» LED indication for module status

Description
Wieland UPS provides instantaneous protection from input power interruption. The UPS module charges and maintains the battery charge. The module also monitors the status of the battery and has a relay output if the battery fails. This module is suitable for all common Lead-Acid and Lead-Gel batteries.

Part No.	Vdc	Current (A)	Dimensions (WxHxD)	Input (V)
81.000.6220.0	24	30	54 x 90 x 115	2 x 24

State	LED (• = on)		
	BAT FAIL (red)	BAT DIS. (yellow)	DC IN OK (green)
Battery disconnected or fuse blown	•		•
Inverse polarity of battery, or overcharge protection active	•		•
Battery charging			•
VIN < 22.5 V, battery discharging		•	
VIN < 22.5 V, battery discharge voltage < 20.5 V	•	•	
VIN < 22.5 V, VBAT ≤ 19.2 V			
DC IN OK, 19.2 V ≤ VBAT ≤ 20.5 V	•		•

MULTI-BOX
THE BOX COMPANY

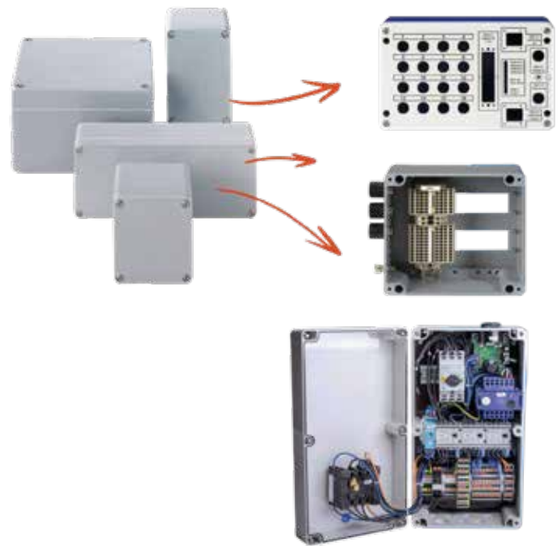
INDUSTRIAL ENCLOSURES FOR DEMANDING ENVIRONMENTS

COMPREHENSIVE RANGE OF INDUSTRIAL ENCLOSURES

MULTI-BOX offers a comprehensive range of industrial electrical enclosures, including durable die-cast aluminium housings and lightweight plastic options manufactured from impact-resistant polycarbonate, ABS and glass-reinforced polyester. The portfolio also includes ATEX and IECEx-approved explosion-protected enclosures and railway-compliant options meeting DIN EN 45545-2 requirements.

MULTI-BOX supply more than one thousand customers from various industry sectors:

» Machinery and plant engineering
» Measurement and control technology
» Control engineering
» Automotive engineering
» Renewable energies
» Oil and gas industry
» Shipbuilding
» Infrastructure projects
» Railway engineering



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Tired of worrying about long term water ingress?

Put your trust in SKINTOP®, tested for every possible application.

LAPP test their SKINTOP® glands for many different applications. IP66 for water spray, IP67/68 for immersion, and IP69K for high pressure water blasting. LAPP have you covered from basic IP rated glands, to high performance FDA & Ecolab approved glands for food and beverage areas.

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- Corrosion-resistant
- Sea water-resistant
- Smooth surfaces
- Compact design
- Variable clamping ranges

LAPP

SKINTOP® NYLON CABLE GLANDS

THREADED NYLON GLANDS FOR USE IN CONTROL CABINETS

ESHOP

Construction
» Special Polyamide (nylon plastic) for harsh applications
» Certified for marine applications

Protection
» IP68 - 5 bar
» IP69K

Temperature Rating
» Static: -40°C to 100°C
» Cable Moving: -20°C to 100°C

Size	Clamping Range	Thread Length	Packet Size	Size	Gland	Locknut	Gland	Locknut
Nylon Metric Thread Cable Gland								
M12	3.5 to 7mm	8	100	M12	53111200	53119100	53111000	53119000
M16	4.5 to 10mm	8	100	M16	53111210	53119110	53111010	53119010
M20	7 to 13mm	9	100	M20	53111220	53119120	53111020	53119020
M25	9 to 17mm	10	50	M25	53111230	53119130	53111030	53119030
M32	11 to 21mm	10	25	M32	53111240	53119140	53111040	53119040
M40	19 to 28mm	10	10	M40	53111250	53119150	53111050	53119050
M50	27 to 35mm	12	5	M50	53111260	53119160	53111060	53119060
M63	34 to 45mm	12	5	M63	53111270	53119170	53111070	53119070
Nylon PG Thread Cable Gland								
PG7	2.5 to 6.5mm	8	100	PG7	53015200	53019200	53015000	53019000
PG9	3.5 to 8mm	8	100	PG9	53015210	53019210	53015010	53019010
PG11	4 to 10mm	8	100	PG11	53015220	53019220	53015020	53019020
PG13.5	6 to 12mm	9	100	PG13.5	53015230	53019230	53015030	53019030
PG16	9 to 14mm	10	50	PG16	53015240	53019240	53015040	53019040
PG21	13 to 18mm	11	50	PG21	53015250	53019250	53015050	53019050
PG29	14 to 25mm	11	25	PG29	53015260	53019260	53015060	53019060

SKINTOP® SPIRAL CABLE GLANDS

CABLE GLANDS WITH SPIRAL STRAIN RELIEF

ESHOP

Construction
» Special Polyamide (nylon plastic) for harsh applications
» Certified for marine applications

Protection
» IP68 - 5 bar
» IP69K

Temperature Rating
» Static: -40°C to 100°C
» Cable Moving: -20°C to 100°C

Size	Clamping Range	Thread Length	Packet Size	Size	Gland	Locknut	Gland	Locknut
Metric Thread								
M12	3.5 to 7mm	8	100	M12	53111700	53119100	53111600	53119000
M16	4.5 to 10mm	8	100	M16	53111710	53119110	53111610	53119010
M20	7 to 13mm	8	50	M20	53111720	53119120	53111620	53119020
M25	9 to 17mm	9	25	M25	53111730	53119130	53111630	53119030
M32	11 to 21mm	10	25	M32	53111740	53119140	53111640	53119040
PG Thread								
PG7	2.5 to 6.5mm	8	100	PG7	53015800	53019200	53015600	53019000
PG9	3.5 to 8mm	8	100	PG9	53015810	53019210	53015610	53019010
PG11	4 to 10mm	8	100	PG11	53015820	53019220	53015620	53019020
PG13.5	6 to 12mm	9	50	PG13.5	53015830	53019230	53015630	53019030
PG16	9 to 14mm	10	25	PG16	53015840	53019240	53015640	53019040
PG21	13 to 18mm	11	25	PG21	53015850	53019250	53015650	53019050

Have you registered yet?

Take advantage of better pricing, live stock views and managing your orders.

SKINTOP® BRASS CABLE GLANDS

METAL CABLE GLANDS FOR TOUGH ENVIRONMENTS

ESHOP

Construction
» Nickel plated brass with a special Polyamide (nylon plastic) insert.
» Certified for marine applications

Protection
» IP68 - 10 bar

Temperature Rating
» -30°C to 100°C

Product Make-up
» XL = extended thread length
» R = reduced seal insert

Size	Clamping Range	Thread Length	Packet Size	Gland	Locknut
Metric Thread					
M12	3 to 7mm	6.5	100	53112000	52103000
M12 XL	3 to 7mm	**12**	100	53112005	52103000
M12 R	**2 to 5mm**	6.5	100	53112100	52103000
M16	4.5 to 10mm	7	100	53112010	52103010
M16 XL	4.5 to 10mm	**12**	50	53112015	52103010
M16 R	**2 to 7mm**	7	100	53112110	52103010
M20	7 to 13mm	8	50	53112020	52103020
M20 XL	7 to 13mm	**12**	50	53112025	52103020
M20 R	**5 to 10mm**	8	50	53112120	52103020
M25	9 to 17mm	8	25	53112030	52103030
M25 XL	9 to 17mm	**12**	25	53112035	52103030
M25 R	**6 to 13mm**	8	25	53112130	52103030
M32	11 to 21mm	9	25	53112040	52103040
M32 XL	11 to 21mm	**15**	25	53112045	52103040
M40	19 to 28mm	9	10	53112050	52103050
M40 XL	19 to 28mm	**15**	10	53112055	52103050
M50	27 to 35mm	10	5	53112060	52103060
M50 XL	27 to 35mm	**15**	5	53112065	52103060
M63	34 to 45mm	15	5	53112070	52103070
M63 Plus	44 to 55mm	15	5	53112080	52103070
PG Thread					
PG7	2 to 6.5mm	6.5	100	52015700	52003490
PG9	4 to 8mm	7	100	52015710	52003500
PG11	4 to 10mm	8	50	52015720	52003510
PG13.5	5 to 12mm	8	50	52015730	52003520
PG16	8 to 14mm	9	50	52015740	52003530
PG21	11 to 18mm	9	25	52015750	52003540
PG29	16 to 25mm	10	25	52015760	52003550

SKINTOP® THREAD ADAPTERS AND REDUCERS

FOR SWAPPING BETWEEN THREAD TYPES

ESHOP

Construction
» Nickel plated brass

Temperature Rating
» -60 to 200

Part No.	Outer Thread	Inner Thread
Reducers M to M Threads		
52104310	M16	M12
52104311	M20	M12
52104312	M20	M16
52104313	M25	M16
52104314	M25	M20
52104316	M32	M25
52104318	M40	M32
52104319	M50	M32
52104320	M50	M40
52104322	M63	M50
Enlargers M to M Threads		
52104452	M16	M20
52104454	M20	M25
52104456	M25	M32
52104458	M32	M40
52104460	M40	M50
52104462	M50	M63
Adapters PG to M Threads		
52104491	PG9	M16
52104493	PG11	M20
52104494	PG13.5	M20
52104495	PG16	M20
52104496	PG16	M25
52104497	PG21	M20
52104498	PG21	M25
52104499	PG21	M32
52104500	PG29	M25
52104503	PG36	M40

SKINTOP® EMC - METRIC THREAD

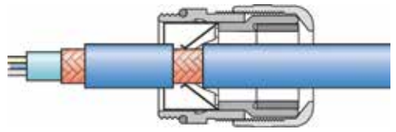
EMC CABLE GLAND FOR VSD DRIVES

ESHOP

Construction
» Nickel plated brass with a special Polyamide (nylon plastic) insert.
» Certified for marine applications

Protection
» IP68 - 5 bar

Temperature Rating
» -30°C to 100°C



Size	Clamping Range	Thread Length	Packet Size	Gland	Standard Locknut	Spike Locknut
Standard Thread						
M12	3.5 to 7mm	6.5	50	53112610	52103000	52103300
M16	4.5 to 9mm	7	50	53112620	52103010	52103310
M20	7 to 12.5mm	8	25	53112630	52103020	52103320
M25	9 to 16.5mm	8	25	53112640	52103030	52103330
M32	11 to 21mm	9	25	53112650	52103040	52103340
M40	19 to 28mm	9	10	53112660	52103050	52103350
M50	27 to 35mm	10	5	53112670	52103060	52103360
Extra Long Thread						
M16	4.5 to 10mm	12	50	53112625	52103010	52103310
M20	7 to 12.5mm	12	25	53112635	52103020	52103320
M25	9 to 16.5mm	12	25	53112645	52103030	52103330
M32	11 to 21mm	15	25	53112655	52103040	52103340
M40	19 to 28mm	15	10	53112665	52103050	52103350
M50	27 to 35mm	15	5	53112675	52103060	52103360

SKINTOP® MS-M BRUSH

EMC CABLE GLAND FOR VSD DRIVES

ESHOP

Features
» Best EMC performance
» Full 360 degree contact area with cable screen
» Cables can be easily removed from the gland
» Patented EMC design

Application Range
For screen termination of both braid and tape screened cables.

Protection
» IP 68 - 10 bar (M12 - M50)
» IP 68 - 5 bar (M63)
» IP 68 - 1 bar (M63 plus - M75)
» IP 69 K (M12 - M63)

Temperature Rating
» Moving: -30°C to 100°C
» Fixed: -40°C to 100°C

Size	Clamping Range	Thread Length	Packet Size	Gland	Standard Locknut	Spike Locknut
Standard Thread						
M25	9 to 17mm	8	10	53112676	52103030	52103330
M32	11 to 21mm	9	5	53112677	52103040	52103340
M40	19 to 28mm	9	5	53112678	52103050	52103350
M50	27 to 35mm	10	5	53112679	52103060	52103360
M63	34 to 45mm	15	1	53112680	52103070	52103370
M63 Plus	44 to 55mm	15	1	53112681	52103070	52103370
Extra Long Thread						
M25	9 to 17mm	6	10	53113727	52103030	52103330
M32	11 to 21mm	8	5	53113728	52103040	52103340
M40	19 to 28mm	10	5	53113729	52103050	52103350
M50	27 to 35mm	14	5	53112673	52103060	52103360

SKINTOP® BRUSH - ADD ON

CONVERT ANY SKINTOP GLAND INTO A VSD GLAND

ESHOP

Construction
» Nickel plated brass housing with brass brush.

Protection
» IP rating based on gland used

Temperature Rating
» -70°C to 200°C

Size	Thread Length	Minimum Diameter (Shield)	Packet Size	Brush Locknut
M16	10	5 mm	25	54110840
M20	10	5 mm	10	54110841
M25	10	5 mm	10	54110842
M32	12	8 mm	10	54110843
M40	12	10 mm	5	54110844
M50	12	14 mm	5	54110845

SKINTOP® BLANKING GLANDS

FOR SEALING OFF UNUSED HOLES

ESHOP

Construction (Metal)
» Nickel plated brass

Temperature Rating (Metal)
» With O-ring: -30°C to 100°C
» Without O-ring: -60°C to 200°C

Protection (Metal)
» With O-ring: IP68
» Without O-ring: IP54

Construction (Nylon)
Glass-fibre reinforced nylon

Temperature Rating (Nylon)
» -40°C to 100°C

Protection (Nylon)
» With O-ring: IP68
» Without O-ring: IP54

Size	Thread Length	Blank	Screwdrivers	Optional O-Ring
Metal				
M12	6	52103100	Flat Head	53102001
M16	6	52103110	Flat Head	53102010
M20	6	52103120	Flat Head	53102020
M25	8	52103130	Flat Head	53102030
M32	8	52103140	Flat Head	53102040
M40	8	52103150	Flat Head	53102050
M50	10	52103160	Flat Head	53102060
M63	12	52103170	Flat Head	53102070
Black Nylon Plastic				
M12	6	52006103	Flat & Phillips	53102001
M16	6	52006113	Flat & Phillips	53102010
M20	6	52006123	Flat & Phillips	53102020
M25	8	52006133	Flat & Phillips	53102030
M32	8	52006143	Flat & Phillips	53102040
M40	8	52006153	Flat & Phillips	53102050
M50	10	52006163	Flat & Phillips	53102060
M63	12	52006173	Flat & Phillips	53102070

SKINTOP® LOCATOR

EASY POSITIONING AND SCRIBING OF THE THROUGH-HOLE ON SWITCHGEAR CABINETS

ESHOP

Application range
Wherever you need to drill the hole for a cable gland: Small and medium producer of control cabinets, Electric installer. For quick allocation of cable and conduit glands, suitable for metric cable glands. Use the kit just for steel enclosure walls.

Benefits
» Fast and easy placement of the SKINTOP® LOCATOR directly on the wall of the cabinet
» No mistakes during hole drilling
» For the easy mounting of SKINTOP® cable glands on switchgear cabinets (Independent from wall thickness)

Product Make-up
» High quality PETG
» Suitable for cable glands/ fittings with metric threads

Note
» Single template not for sale, only complete kit solution
» Stencil with a notch to flag the size

Part No.	Size	Included
61791330	M12-M25	5x M12, 5x M16, 5x M20, 5x M25
61791331	M32-M63	4x M32, 3x M40, 2x M50, 1x M63

SKINTOP® INOX / INOX-R

COMPACT, CORROSION & SEA WATER-RESISTANT S/S CABLE GLAND W/SMOOTH SURFACES

ESHOP

Application Range
» Onshore marine applications
» Bottling plants and breweries
» Food industry (product-free zone, splash zone)

Material
» Body: Stainless steel - V4A (1.4404 / 316L)
» Insert: Polyamide
» Sealing ring: Silicone
» O-Ring: Silicone

Protection Rating
» IP 68 - 10 bar (M12 - M20)
» IP 68 - 5 bar (M25 - M32)
» IP 69 K

Temperature Range
-40°C to +100°C

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
INOX - Standard Seal Insert						
M12 x 1.5	4 to 7mm	29.3mm	6.5mm	5	53806739	52032585
M16 x 1.5	6 to 10mm	32.4mm	7mm	5	53806740	52032615
M20 x 1.5	7 to 13mm	35.8mm	8mm	5	53806741	52032625
M25 x 1.5	9 to 17mm	37.8mm	8mm	5	53806742	52032635
M32 x 1.5	11 to 21mm	43.3mm	9mm	5	53806743	52032645
M40 x 1.5	19 to 28mm	51.2mm	9mm	5	53806744	52032655
M50 x 1.5	27 to 35mm	56.2mm	10mm	5	53806745	52032665
INOX-R - Reducing Seal Insert						
M12 x 1.5	3 to 5mm	29.3mm	6.5mm	5	53806749	52032585
M32 x 1.5	7 to 15mm	43.3mm	9mm	5	53806753	52032645
M40 x 1.5	15 to 23mm	51.2mm	9mm	5	53806754	52032655

SKINTOP® HYGIENIC / HYGIENIC-R

RESISTANT S/S CABLE GLAND WITH SMOOTH SURFACES FOR USE IN PRODUCT ZONE

ESHOP

Application Range
» Onshore marine applications
» Bottling plants and breweries
» Food industry (product-free zone, splash zone)

Material
» Body: Stainless steel - V4A (1.4404 / 316L)
» Insert: Polyamide
» Sealing ring: Silicone
» O-Ring: Silicone

Protection Rating
» IP 68 - 10 bar (M12 - M20)
» IP 68 - 5 bar (M25 - M32)
» IP 69 K

Temperature Range
-20°C to +100°C

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
Hygienic - Standard Seal Insert						
M12 x 1.5	4 to 6mm	38.4mm	6.5mm	5	53105100	52032585
M16 x 1.5	6.5 to 9mm	43.4mm	7mm	5	53105110	52032615
M20 x 1.5	9 to 12mm	46.4mm	8mm	5	53105120	52032625
M25 x 1.5	11.5 to 15.5mm	48.9mm	8mm	5	53105130	52032635
Hygienic-R - Reducing Seal Insert						
M12 x 1.5	3 to 4.5mm	38.4mm	6.5mm	5	53105200	52032585
M16 x 1.5	4.5 to 7mm	43.4mm	7mm	5	53105210	52032615
M20 x 1.5	7 to 10mm	46.4mm	8mm	5	53105220	52032625
M25 x 1.5	9 to 12.5mm	48.9mm	8mm	5	53105230	52032635

SKINTOP® HYGIENIC ENLARGERS AND REDUCERS

S/S ACCESSORIES WITH SMOOTH SURFACES FOR SWAPPING BETWEEN THREAD SIZES

ESHOP

Construction
» Hygienic design with smooth surfaces and contours without corners and edges prevents residues such as liquids and micro-organisms from accumulating
» Body: stainless steel
» Sealing: special sky blue elastomer

Temperature Rating
» -20°C up to 220°C

Part No.	Outer Thread	Inner Thread
Enlargers M to M Threads		
52103591	M12	M16
52103592	M16	M20
52103593	M20	M25
52103594	M25	M32
Reducers M to M Threads		
52103596	M16	M12
52103597	M20	M12
52103598	M20	M16
52103599	M25	M16
52103600	M25	M20
52103601	M32	M20

SKINTOP® FLAT

METAL CABLE GLAND WITH SEALING INSERT FOR FLAT CABLE

ESHOP

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
Metric Thread						
M25	11 to 16mm	37.5mm	8mm	5	53119375	52103030
M32	15 to 20mm	42.2mm	9mm	5	53119376	52103040
M40	18 to 28mm	49.5mm	9mm	5	53119377	52103050
M50	26 to 33mm	52mm	10mm	5	53119378	52103060

SKINTOP® SVF-M METAL FLAT GLANDS

METRIC AND PG METAL CABLE GLANDS FOR FLAT CABLE

ESHOP

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
Metric Thread						
M20	- / 15mm	27mm	6mm	25	52107320	52103020
M25	9 to 20mm	30.5mm	7mm	25	52107340	52103030
M32	14 to 27mm	32mm	8mm	10	52107350	52103040
M40	24 to 34mm	35mm	8mm	10	52107360	52103050
M50	29 to 44mm	40mm	9mm	5	52107370	52103060
M63	34 to 50mm	42mm	10mm	5	52107380	52103070
PG Thread						
PG16	- / 16mm	27.5mm	6.5mm	25	52005480	52003530
PG21	9 to 21mm	30mm	7mm	25	52005490	52003540
PG29	14 to 30mm	31.5mm	8mm	10	52005500	52003550
PG36	24 to 40mm	36mm	9mm	10	52005510	52003560
PG42	29 to 45mm	40mm	10mm	5	52005520	52003570
PG48	34 to 50mm	41.5mm	10mm	5	52005530	52003580

SKINTOP® SVFK-M NYLON FLAT GLANDS

METRIC AND PG NYLON CABLE GLANDS FOR FLAT CABLE

ESHOP

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
Metric Thread						
M25	- / 15mm	41mm	11mm	25	52107900	53119033
M32	10 to 21mm	39mm	10mm	25	52107901	53119043
M40	16 to 28mm	44mm	11mm	25	52107902	53119053
M50	26 to 35mm	50.5mm	11mm	5	52107903	53119063
M50	30 to 40mm	53.5mm	11mm	5	52107904	53119063
M63	36 to 45mm	54.5mm	11mm	5	52107905	53119073
PG Thread						
PG16	- / 15mm	39.5mm	10mm	25	52005470	52000150
PG21	10 to 20.5mm	43mm	11mm	25	52005680	52000160
PG29	15 to 27mm	45mm	11mm	25	52005690	52000170
PG36	25 to 34mm	51mm	13mm	10	52005700	52000180
PG42	30 to 40mm	54mm	13mm	5	52005710	52000190
PG48	35 to 45mm	55mm	15mm	5	52005720	52000200

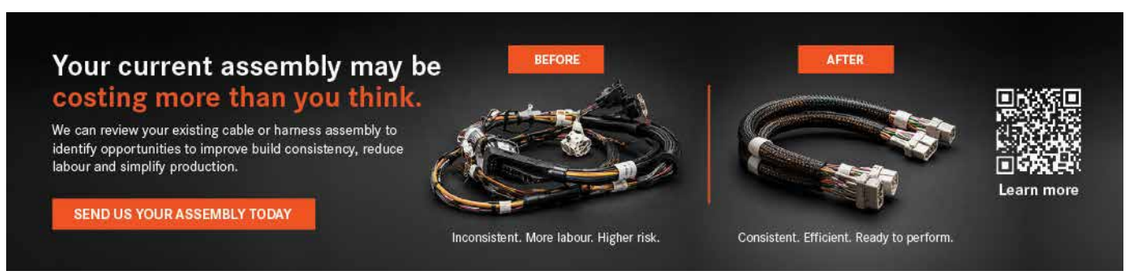
SKINTOP® FL

FLAT STEEL CABLE GLAND WITH INTERNAL CONICAL CONTOUR

ESHOP

Cable flange can be used universally mainly for large flat cables.

Part No.	Size	Cable pass length x width in mm	L x W x H (mm)	Pieces
52008010	FL1	70 x 12 + 63 x 7	45.0 x 35.0 x 95.0	1
52008020	FL2	49 x 4.5	45.0 x 35.0 x 95.0	1
52008030	FL3	49 x 4.5 + 49 x 4.5 (49 x 11.5)	45.0 x 35.0 x 95.0	1
52008040	FL4	63 x 12.0 (+0.2)	45.0 x 35.0 x 95.0	1
52008050	FL5	70 x 12	45.0 x 35.0 x 95.0	1



SKINTOP® K-M/KR-M ATEX PLUS

BLACK METRIC PLASTIC CABLE GLAND W/HIGH DEGREE OF PROTECTION & EXPLOSION-PROOF

ESHOP

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
K-M ATEX Plus - Standard Seal Insert						
M12	3 to 5.5mm	30mm	8mm	50	54115200	53119100
M16	7 to 9mm	34mm	8mm	50	54115210	53119110
M20	7 to 13mm	38mm	9mm	50	54115220	53119120
M25	11 to 17mm	40mm	10mm	25	54115230	53119130
M32	12 to 21mm	47mm	10mm	25	54115240	53119140
M40	19 to 28mm	52mm	10mm	10	54115250	53119150
M50	27 to 35mm	62mm	12mm	5	54115260	53119160
M63	37 to 45mm	71mm	12mm	5	54115270	53119170
KR-M ATEX Plus - Reducing Seal Insert						
M12	2 to 4mm	30mm	8mm	50	54115205	53119100
M16	4 to 6mm	34mm	8mm	50	54115215	53119110
M20	5 to 10mm	38mm	9mm	50	54115225	53119120
M25	6 to 13mm	40mm	10mm	25	54115235	53119130
M32	9 to 15mm	47mm	10mm	25	54115245	53119140
M40	16 to 23mm	52mm	10mm	10	54115255	53119150
M50	22 to 29mm	62mm	12mm	5	54115265	53119160
M63	29 to 39mm	71mm	12mm	5	54115275	53119170

SKINTOP® K-M/KR-M ATEX PLUS BLUE

BLUE METRIC PLASTIC CABLE GLAND W/HIGH DEGREE OF PROTECTION & EXPLOSION-PROOF

ESHOP

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
K-M ATEX Plus Blue -Standard Seal Insert						
M12	3 to 5.5mm	30mm	8mm	50	54115400	53119100
M16	7 to 9mm	34mm	8mm	50	54115410	53119110
M20	7 to 13mm	38mm	9mm	50	54115420	53119120
M25	11 to 17mm	40mm	10mm	25	54115430	53119130
M32	12 to 21mm	47mm	10mm	25	54115440	53119140
M40	19 to 28mm	52mm	10mm	10	54115450	53119150
M50	27 to 35mm	62mm	12mm	5	54115460	53119160
M63	37 to 45mm	71mm	12mm	5	54115470	53119170
KR-M ATEX Plus Blue - Reducing Seal Insert						
M12	2 to 4mm	30mm	8mm	50	54115405	53119100
M16	4 to 6mm	34mm	8mm	50	54115415	53119110
M20	5 to 10mm	38mm	9mm	50	54115425	53119120
M25	6 to 13mm	40mm	10mm	25	54115435	53119130
M32	9 to 15mm	47mm	10mm	25	54115445	53119140
M40	16 to 23mm	52mm	10mm	10	54115455	53119150
M50	22 to 29mm	62mm	12mm	5	54115465	53119160
M63	29 to 39mm	71mm	12mm	5	54115475	53119170

SKINTOP® MS-M / XL ATEX

ANTI-STATIC BRASS GLAND W/COLD IMPACT RESIST & MAX RELIABILITY, EXPLOSION-PROOF

ESHOP

Size	Clamping Range	Overall Length	Thread Length	Packet Size	Gland	Locknut
MS-M ATEX - Standard Seal Insert						
M12	3 to 7mm	26.5mm	6.5mm	100	53112700	52103000
M16	4.5 to 10mm	33mm	7mm	100	53112710	52103010
M20	7 to 13mm	37mm	8.5mm	50	53112720	52103020
M25	9 to 17mm	38.5mm	8mm	25	53112730	52103030
M32	11 to 21mm	45.5mm	9mm	25	53112740	52103040
M40	19 to 28mm	48mm	9mm	10	53112750	52103050
M50	26 to 35mm	55.5mm	10mm	5	53112760	52103060
M63	34 to 45mm	67mm	15mm	5	53112770	52103070
M63 Plus	44 to 55mm	65.5mm	15mm	1	53112779	52103070
MS-M-XL ATEX - Extended Thread						
M12	3 to 7mm	26mm	12mm	100	53112800	52103000
M16	4.5 to 10mm	33mm	12mm	100	53112810	52103010
M20	7 to 13mm	37mm	12mm	50	53112820	52103020
M25	9 to 17mm	38.5mm	12mm	25	53112830	52103030
M32	11 to 21mm	45.5mm	15mm	25	53112840	52103040
M40	19 to 28mm	48mm	15mm	10	53112850	52103050
M50	26 to 35mm	55.5mm	15mm	5	53112860	52103060

SKINTOP® DIX MULTI-INSERTS

GLAND INSERTS WITH MULTIPLE CABLE HOLES

ESHOP

Part No.	For Gland	Number of Holes	Hole Size
Multiple Hole Inserts			
53316220	M16	2	2 mm
53316230	M16	2	3 mm
53316240	M16	2	4 mm
53320250	M20	2	5 mm
53320260	M20	2	6 mm
53320340	M20	3	4 mm
53320353	M20	3	5.3 mm
53320440	M20	4	4 mm
53325260	M25	2	6 mm
53325350	M25	3	5 mm
53325360	M25	3	6 mm
53325370	M25	3	7 mm
53325450	M25	4	5 mm
53325540	M25	5	4 mm
53325640	M25	6	4 mm
53332270	M32	2	7 mm
53332280	M32	2	8 mm
53332290	M32	2	9 mm
53332380	M32	3	8 mm
53332470	M32	4	7 mm
53332560	M32	5	6 mm
53332650	M32	6	5 mm
53332840	M32	8	4 mm
53332850	M32	8	5 mm
53332940	M32	9	4 mm
53340480	M40	4	8 mm
53340580	M40	5	8 mm
53340590	M40	5	9 mm
53340670	M40	6	7 mm
53340860	M40	8	6 mm
53340969	M40	9	6.9 mm
53350166	M50	16	6 mm
53350680	M50	6	8 mm
Special Automation Inserts			
53611001	M20	1	ASI Flat Cable
53440980	M25	1	RJ45
Solid Inserts for Sealing			
54113000	M12	Solid	Solid
54113010	M16	Solid	Solid
54113020	M20	Solid	Solid
54113030	M25	Solid	Solid
54113040	M32	Solid	Solid
54113050	M40	Solid	Solid
54113060	M50	Solid	Solid

STANDARD DIX INSERTS FOR MULTIPLE CABLES

SPECIAL AS-I INSERT FOR FLAT CABLE (M20)

STANDARD INSERTS FOR RJ45 ETHERNET CABLE (M25)

SOLID RUBBER FOR SEALING OFF GLANDS

PINS FOR SEALING OFF UNUSED HOLES

Part No.	Pin Diameter	Length
53100004	4mm	9mm
53100005	5mm	11mm
53100006	6mm	14mm
53100007	7mm	14mm
53100008	8mm	14mm
53100009	9mm	14mm

SEALING PINS

SKINTOP® MULTI-M

COMPACT, ROUND MULTI CABLE BUSHING SYSTEM WITH INNOVATIVE GEL TECHNOLOGY

ESHOP

Part No.	Item	Maximum cable entries	Number of cables	Packet Size
52220140	SKINTOP MULTI-M M25x1.5	4	4 x 2-6mm	1
52220146	SKINTOP MULTI-M M32x1.5	8	8 x 2-6mm	1
52220149	SKINTOP MULTI-M M32x1.5	6	3 X 6-10mm, 3 x 1-4mm	1
52220110	SKINTOP MULTI-M M40x1.5	12	2 x 1-4mm, 10 x 2-6mm	1
52220111	SKINTOP MULTI-M M50x1.5	18	18 x 2-6 mm	1
52220112	SKINTOP MULTI-M M63x1.5	30	30 x 2-6 mm	1
52220115	SKINTOP MULTI-M M63x1.5	14	14 x 6-10mm	1
52220113	SKINTOP MULTI-M M40x1.5	6	5 x 6-10mm, 1 x 4-8mm	1
52220114	SKINTOP MULTI-M M50x1.5	8	8 x 6-10mm	1

SKINTOP® MULTI

COMPACT MULTI CABLE BUSHING SYSTEM WITH INNOVATIVE GEL TECHNOLOGY

ESHOP

52220065

52220073

52220080

52220085

52220101

52220104

Part No.	Item	Maximum cable entries	Number of cables x cable OD	Packet Size
52220065	SKINTOP MULTI Version 1	22	16 x 3-7 mm, 6 x 8-12 mm	1
52220073	SKINTOP MULTI Version 2	21	5 x 2-6 mm, 8 x 4-8 mm, 3 x 5-9 mm, 2 x 8-12 mm, 1 x 12-16 mm, 2 x AS-I BUS / 2 x 2-4 mm	1
52220080	SKINTOP MULTI Version 3	30	30 x 2-6 mm	1
52220085	SKINTOP MULTI Version 4	11	8 x 8-12 mm, 2 x 12-16 mm, 1 x 16-20 mm	1
52220101	SKINTOP MULTI Version 5	27	27 x 4-8mm	1
52220104	SKINTOP MULTI Version 6	24	10 x 2-6mm, 8 x 4-8mm, 4 x 7-11mm, 2 x 10-14mm	1

SKINTOP® CUBE MULTI

CABLE BUSHING SYSTEM FOR INSTALLATION OF NON-HARNESSED CABLES

ESHOP

Part No.	Item	Maximum cable entries	Number of cables x cable size	Packet Size
SKINTOP Cube Multi Gel Modules				
52220050	SKINTOP CUBE MULTI Version 1	21	9 x 3-6 mm; 9 x 6-9 mm; 2 x 9-13 mm; 1 x 13-16 mm	1
52220053	SKINTOP CUBE MULTI Version 2	23	23 x 5-8 mm	1
SKINTOP Cube Multi Gel Modules with Frame				
52220056	SKINTOP CUBE MULTI Version 1 incl. frame	21	9 x 3-6 mm; 9 x 6-9 mm; 2 x 9-13 mm; 1 x 13-16 mm	1
52220057	SKINTOP CUBE MULTI Version 2 incl. frame	23	23 x 5-8 mm	1

SKINTOP® CUBE

CABLE BUSHING SYSTEM W/OIL RESISTANCE & VARIABLE CLAMPING RANGE

ESHOP

FRAMES

MODULES

BRUSH KIT

Part No.	Item	Clamping Range	Number of cables	Packet Size
SKINTOP® Cube Frames				
52220000	SKINTOP® CUBE FRAME 16		8	1
52220001	SKINTOP® CUBE FRAME 24		10	1
SKINTOP® Cube Modules				
52220002	SKINTOP® CUBE MODULE 20X20 small	4 to 6mm		5
52220003	SKINTOP® CUBE MODULE 20x20 large	6 to 9mm		5
52220004	SKINTOP® CUBE MODULE 20x20 blind	1 to 3mm		5
52220005	SKINTOP® CUBE MODULE 40x40 small	9 to 12mm		5
52220006	SKINTOP® CUBE MODULE 40x40 large	12 to 16mm		5
52220007	SKINTOP® CUBE MODULE 40x40 blind			5
52220040	SKINTOP® CUBE MODULE 20X20 ASI BUS			5
SKINTOP® Cube EMC Kit with Brush Technology				
52220089	SKINTOP® BRUSH ADD-ON 24		Dimensions: 40x120mm	1

HITRONIC®

Optical transmission systems

HITRONIC® fibre optic cables make transmitting large data volumes easy: fault free, bug proof and at almost light speed. Even electro-magnetic radiation does not interfere with the transmission. The HITRONIC® range includes the ideal solution for indoor or outdoor use, for demanding conditions, and even for use in power chains.

Application range

- Telecommunications and network technology
- Industrial cabling and automation level
- Industrial machinery and plant engineering
- Data transmission under harsh conditions (mining and tunnel construction, oil and gas platforms, wind power plants)

HITRONIC® HUN UNIVERSAL FIBRE CABLE

ESHOP

UNIVERSAL CABLE WITH CENTRAL LOOSE TUBE AND NON-METALLIC STRAIN RELIEF

Construction
» Glass fibres with primary coating
» Gel-filled loose tube
» Water-blocking reinforced glass yarn strain relief
» LSZH outer sheath

Minimum Bending Radius
» Dynamic flexing: 20 x outer diameter
» Static installation: 15 x outer diameter

Temperature Rating
» Fixed installation: -30°C to +70°C

Permissible Tensile Force
» Fixed installation: 1500 N
» Short-term: 2000 N

Fibre Type
» GOF - Glass Optical Fibre

Part No.	Number Of Fibres	OD(mm)
Single-mode E 9 OS2		
27400904	4	7.3
27400908	8	7.3
27400912	12	7.3
Multimode G 62.5 OM1		
27400104	4	7.3
27400108	8	7.3
27400112	12	7.3
Multimode G 50 OM2		
27400204	4	7.3
27400208	8	7.3
27400212	12	7.3
Multimode G 50 OM3		
27400304	4	7.3
27400308	8	7.3
27400312	12	7.3
Multimode G 50 OM4		
27400404	4	7.3
27400408	8	7.3
27400412	12	7.3

HITRONIC® HUW ARMOURED UNIVERSAL FIBRE CABLE

ESHOP

UNIVERSAL CABLE WITH CENTRAL LOOSE TUBE, CORRUGATED STEEL TAPE AND NON-METALLIC STRAIN RELIEF

Construction
» Gel-filled loose tube
» Water-blocking reinforced glass yarn strain relief
» Corrugated steel tape armour
» LSZH outer sheath

Minimum Bending Radius
» Dynamic flexing: 20 x outer diameter
» Static installation: 15 x outer diameter

Temperature Rating
» Fixed installation: -30°C to +70°C

Permissible Tensile Force
» Fixed installation: 1500 N
» Short-term: 2000 N

Fibre Type
» GOF - Glass Optical Fibre

Part No.	Number Of Fibres	OD(mm)
Single-mode E 9 OS2		
27500904	4	9.6
27500908	8	9.6
27500912	12	9.6
Multimode G 62.5 OM1		
27500104	4	9.6
27500108	8	9.6
27500112	12	9.6
Multimode G 50 OM2		
27500204	4	9.6
27500208	8	9.6
27500212	12	9.6
Multimode G 50 OM3		
27500304	4	9.6
27500308	8	9.6
27500312	12	9.6
Multimode G 50 OM4		
27500404	4	9.6
27500408	8	9.6
27500412	12	9.6

FLEXIMARK® MARKING SYSTEMS

RANGE GUIDE

What? / How?		Customised System	Basic System
		Your demand – we deliver	**Ready made to deliver for each environment**
Cable and Wires	**After mounting the wire**	Stainless steel FCC Cablelabel PUR FCC Cablemarking FCC	Stainless steel MR and NM M1011 Manual embossing machine Marking rings PCM Marking rings Pliosnap DYMO® Mobile printer
	Before mounting the wire	Organised shrink tube FCC Shrink mark FCC Flexiprint FCC	PA Marking rings
Component	**Device marking**	Stainless steel component marking FCC	DYMO® Mobile printer
Accessories		Character holders and collars Plier FL52ERA	LS steel cable ties Stainless Steel Tie Tool

ON/OFF SWITCHES

ESHOP

Mounting	Switching	Current	Item number by poles					
			1P	2P	3P	4P	5P	6P
22.5/30mm hole	Normal	25 A	MZ12025	MZ12026	MZ12027	MZ12028	-	-
22.5/30mm hole	Short	25 A	MZ12021	MZ12022	MZ12023	-	-	-
4-hole front mount	Normal	25 A	MZ12005	MZ12006	MZ12007	MZ12008	MZ12009	MZ12010

CHANGEOVER SWITCHES

ESHOP

Mounting	Switching Program	Current	Item number by poles			
			1P	2P	3P	4P
4-hole front mount	With 0-position · 60°	25 A	MZ12120	MZ12121	MZ12122	MZ12123
22.5/30mm hole	With 0-position · 60°	25 A	MZ12136	MZ12137	MZ12138	MZ12139
4-hole front mount	Without 0-position · 60°	25 A	MZ12150	MZ12151	MZ12152	MZ12153
22.5/30mm hole	Without 0-position · 60°	25 A	MZ12166	MZ12167	MZ12168	MZ12169
4-hole front mount	With 0-position · 60°	32 A	-	-	-	MZ17123
22.5/30mm hole	With 0-position · 60°	32 A	-	-	-	MZ17126
4-hole front mount	With 0-position · 60°	40 A	-	-	-	MZ19123
22.5/30mm hole	With 0-position · 60°	40 A	-	-	-	MZ19126
22.5/30mm hole	With 0-position · 60°	63 A	-	-	-	MZ21126

STEP SWITCHES

ESHOP

Mounting	Poles	Current	Item number by steps				
			2 Step	3 Step	4 Step	5 Step	6 Step
22.5/30mm hole	1P	25 A	MZ12417	MZ12433	MZ12446	MZ12456	MZ12465

ENCLOSED ISOLATORS

ESHOP

Enclosure	Poles	Protection	Item number by current rating				
			25 A	32 A	40 A	50 A	63 A
Enclosed isolator	3P	IP66	MZ33240	MZ36240	MZ35260	MZ38260	MZ40260

WAGO 221 - STANDARD QUICK CONNECTORS

COMPACT WIRE SPLICING CONNECTORS

ESHOP

Features

- 4mm connectors are suitable for all conductor types - 0.14 - 4mm²
- 6mm connectors are suitable for all conductor types - 0.5 - 6mm²
- Quick and easy to open
- Require less opening force
- The recessed grips on the side also prevent slipping and make it easier to hold the connector while inserting the conductor
- Fast, Easy, Safe, Reliable, Compact, Vibration-proof, Maintenance-free

Benefits

- Ease of use
- Connection of all conductor types
- Time savings for installers and device manufacturers
- Quickly install devices with higher levels of power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards

221-413

887-952

221-500

221-500 + 222-505

221-503

221-413/4401-050

Part Number	Type	
	4mm Individual	
221-412	2 Pole Snap Connector for 4mm	
221-413	3 Pole Snap Connector for 4mm	
221-415	5 Pole Snap Connector for 4mm	
	6mm Individual	
221-612	2 Pole Snap Connector for 6mm	
221-613	3 Pole Snap Connector for 6mm	
221-615	5 Pole Snap Connector for 6mm	
	Jars	
221-412/K000-0001	Jar (100) 2-Way 4mm	
221-413/K000-0001	Jar (50) 3-Way 4mm	
221-415/K000-0001	Jar (25) 5-Way 4mm	
221-612/K000-0002	Jar (50) 2-Way 6mm	
221-613/K000-0002	Jar (30) 3-Way 6mm	
221-615/K000-0002	Jar (15) 5-Way 6mm	
	Accessories	
221-500	DIN Rail Mounted Connector Carrier for 4mm	
221-510	DIN Rail Mounted Connector Carrier for 6mm	
222-505	Strain Relief Plate for Mounting Carriers	
222-510	Angled DIN-rail adapter for horizontal mounting	
221-502	Mounting carrier for 2-wire connectors for screw mounting	
221-503	Mounting carrier for 3-wire connectors for screw mounting	
221-505	Mounting carrier for 5-wire connectors for screw mounting	
	Assorted Kits	**Includes**
887-952	Assorted Box of 2, 3 and 5 way connectors 4mm	100 x (221-412): 100 x (221-413): 25 x (221-415): 4 x (221-500)
887-957	Assorted Box of 2, 3 and 5 way connectors 4mm & 6mm	40 x (221-612): 30 x (221-613): 15 x (221-615): 75 x (221-415): 50 x (221-413): 25 x (221-415): 1 x (221-500)

WAGO 221 - INLINE QUICK CONNECTORS

COMPACT WIRE SPLICING CONNECTORS

ESHOP

Description

All the same great features and benefits of the standard range plus the added feature of a slim design minimising dimensions for installations in tight spaces.

Notes

Other Carrier sizes available on request.

221-2411

221-2411/K000-0007

209-120

Part Number	Type
	4mm
221-2411	WAGO 221 Inline Connector - 4mm2 - Clear
	Jars
221-2411/K000-0007	Jar (60) WAGO 221 Inline Connector 4mm2
	Accessories
209-120	Din Mounting Foot for Snap-in Devices
221-2533	Din Snap-In Carrier Without Strain Relief 3-Way
221-2535	Din Snap-In Carrier Without Strain Relief 5-Way
221-2513	Din Snap-In Carrier With Strain Relief 3-Way
221-2515	Din Snap-In Carrier With Strain Relief 5-Way
221-2523	Screw Mount Carrier Without Strain Relief 3-Way
221-2525	Screw Mount Carrier Without Strain Relief 5-Way
221-2503	Screw Mount Carrier With Strain Relief 3-Way
221-2505	Screw Mount Carrier With Strain Relief 5-Way

WAGO FUSE HOLDER TERMINALS

FOR ISOLATION AND PROTECTION OF CIRCUITS

ESHOP

Description

Fuse terminal block for standard glass fuses. Takes standard 5x20mm glass fuses.

Conductor Sizes

- Conductor Range: 0.25mm² to 4mm²
- Push-in termination: 0.75mm² to 4mm²

Features

- Fully enclosed. 12 to 30V & 230V Blown indication options available.
- Dual level incorporates an additional through terminal providing 50% space saving.

Current Rating

- Dependent on fuse

Item No	Type	Clamp
	Single Level Fuse Terminal	
2002-1611	No LED Indication	Cage Clamp
2002-1611/1000-541	12 to 30 V LED Indication	Cage Clamp
2002-1611/1000-836	230V LED Indication	Cage Clamp
	Dual Level Fuse Terminal	
2002-2611	No LED Indication	Cage Clamp
2002-2611/1000-541	12 to 30 V LED Indication	Cage Clamp
2002-2611/1000-836	230V LED Indication	Cage Clamp
	End Plates	
2002-1091	Grey End Plate	
2002-1092	Orange End Plate	
	Jumper Bars For Fuse Terminals	
2004-402	2-Way	
2004-403	3-Way	
2004-404	4-Way	
2004-405	5-Way	
2004-406	6-Way	
2004-407	7-Way	
2004-408	8-Way	
2004-409	9-Way	
2004-410	10-Way	

WAGO KNIFE DISCONNECTS

FOR ISOLATION AND PROTECTION OF CIRCUITS

ESHOP

Description

These disconnect terminals are used to isolate circuits for testing purposes.

Conductor Sizes

- Conductor Range: 0.25mm² to 4mm²
- Push-in termination: 0.75mm² to 4mm²

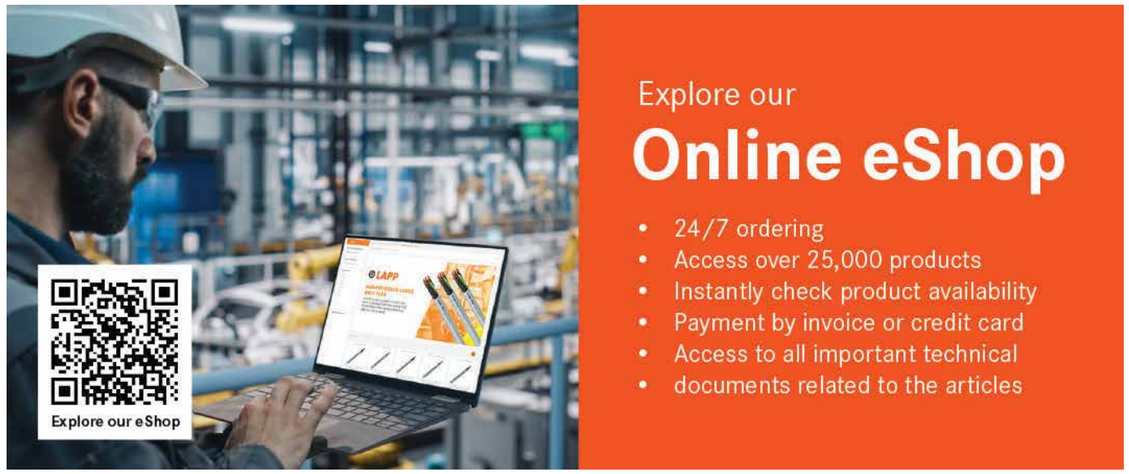
Features

Available in both Cage Clamp and Push button terminal options

Current Rating

16A

Item No	Type	Clamp
	Terminal	
2002-1671	Disconnect Terminal	Push-In Cage Clamp
2202-1671	Disconnect Terminal	Push-Button
	End Plates	
2002-1691	Grey End Plate	
2002-1692	Orange End Plate	
	Jumper Bars For Knife Disconnect Terminals	
2002-402	2-Way	
2002-403	3-Way	
2002-404	4-Way	
2002-405	5-Way	
2002-406	6-Way	
2002-407	7-Way	
2002-408	8-Way	
2002-409	9-Way	
2002-410	10-Way	



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WAGO TERMINALS

CAGE CLAMP, PUSH BUTTON & LEVER TO PUSH BUTTON

ESHOP

	2 pole Cage Clamp	2 pole Push Button	2 pole Lever to Push Button	3 pole Cage Clamp	3 pole Push Button	3 pole Lever to Push Button	4 pole Cage Clamp	4 pole Push Button	2 pole Double/Deck Cage Clamp	2 pole Double/Deck Push Button	4 pole Double/Deck Cage Clamp	2 pole Triple/Deck Cage Clamp
2.5mm Terminals												
Grey	2002-1201	2202-1201	2102-5201	2002-1301	2202-1301	2102-5301	2002-1401	2202-1401	2002-2201	2202-2701	2002-2401	2002-3201
Orange	2002-1202			2002-1302			2002-1402					
Blue	2002-1204	2202-1204	2102-5204	2002-1304	2202-1304	2102-5304	2002-1404	2202-1404	2002-2204	2202-2704	2002-2404	2002-3204
Earth	2002-1207	2202-1207	2102-5207	2002-1307	2202-1307	2102-5307	2002-1407	2202-1407	2002-2207	2202-2707	2002-2407	2002-3207
2.5mm End Plates												
Grey	2002-1291	2002-1291	2102-1291	2002-1391	2002-1391	2102-1391	2002-1491	2002-1491	2002-2291	2002-2791	2002-2491	2002-3291
Orange	2002-1292	2002-1292	2102-1292	2002-1392	2002-1392	2102-1392	2002-1492	2002-1492	2002-2292	2002-2792	2002-2492	2002-3292
2.5mm Separator Plates												
Grey	2002-1293	2002-1293	2002-1293	2002-1393	2002-1393	2002-1393	2002-1493	2002-1493				
Orange	2002-1294	2002-1294	2002-1294	2002-1394	2002-1394	2002-1394	2002-1494	2002-1494				
Vertical Jumper												
									2002-492	2002-492	2002-492	2002-493
4mm Terminals												
Grey	2004-1201	2204-1201		2004-1301	2204-1301		2004-1401	2204-1401				
Orange	2004-1202			2004-1302			2004-1402					
Blue	2004-1204	2204-1204		2004-1304	2204-1304		2004-1404	2204-1404				
Earth	2004-1207	2204-1207		2004-1307	2204-1307		2004-1407	2204-1407				
4mm End Plates												
Grey	2004-1291	2004-1291		2004-1391	2004-1391		2004-1491	2004-1491				
Orange	2004-1292	2004-1292		2004-1392	2004-1392		2004-1492	2004-1492				
4mm Separator Plates												
Grey	2004-1293	2004-1293		2004-1393	2004-1393		2004-1493	2004-1493				
Orange	2004-1294	2004-1294		2004-1394	2004-1394		2004-1494	2004-1494				
6mm Terminals												
Grey	2006-1201	2206-1201	2106-5201	2006-1301	2206-1301	2106-5301						
Orange	2006-1202			2006-1302								
Blue	2006-1204	2206-1204	2106-5204	2006-1304	2206-1304	2106-5304						
Earth	2006-1207	2206-1207	2106-5207	2006-1307	2206-1307	2106-5307						
6mm End Plates												
Grey	2006-1291	2006-1291	2106-1291	2006-1391	2006-1391	2106-1391						
Orange	2006-1292	2006-1292	2106-1292	2006-1392	2006-1392	2106-1392						
6mm Separator Plates												
Grey	2006-1293	2006-1293	2006-1293	2006-1393	2006-1393	2006-1393						
Orange	2006-1294	2006-1294	2006-1294	2006-1394	2006-1394	2006-1394						
10mm Terminals												
Grey	2010-1201	2210-1201		2010-1301	2210-1301							
Orange	2010-1202			2010-1302								
Blue	2010-1204	2210-1204		2010-1304	2210-1304							
Earth	2010-1207	2210-1207		2010-1307	2210-1307							
10mm End Plates												
Grey	2010-1291	2010-1291		2010-1391	2010-1391							
Orange	2010-1292	2010-1292		2010-1392	2010-1392							
16mm Terminals												
Grey	2016-1201	2216-1201	2116-5201	2016-1301		2116-5301						
Orange	2016-1202			2016-1302								
Blue	2016-1204	2216-1204	2116-5204	2016-1304	2216-1304	2116-5304						
Earth	2016-1207	2216-1207	2116-5207	2016-1307	2216-1307	2116-5307						
16mm End Plates												
Grey	2016-1291	2016-1291	2116-1291	2016-1391	2016-1391	2116-1391						
Orange	2016-1292	2016-1292	2116-1292	2016-1392	2016-1392	2116-1392						

WAGO STANDARD JUMPERS

FOR TOPJOB-S SERIES

ESHOP

	2.5mm	4mm	6mm	10mm	16mm
2 Way Adjacent Jumper	2002-400				
2 Way	2002-402	2004-402	2006-402	2010-402	2016-402
3 Way	2002-403	2004-403	2006-403	2010-403	2016-403
4 Way	2002-404	2004-404	2006-404	2010-404	2016-404
5 Way	2002-405	2004-405	2006-405	2010-405	2016-405
6 Way	2002-406	2004-406			
7 Way	2002-407	2004-407			
8 Way	2002-408	2004-408			
9 Way	2002-409	2004-409			
10 Way	2002-410	2004-410			

WAGO STEP DOWN JUMPERS

FOR TOPJOB-S SERIES

ESHOP

Description
Step-down jumpers may common terminal blocks of different sizes, without loss

Features
A large conductor can be easily connected to smaller conductors at the distribution point. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.

Part No.	Type	Current Rating
2006-499	Commons 6/4mm² Down to 4/2.5/1.5mm²	32A
2016-499	Commons 16/10mm² Down to 10/6/4/2.5mm²	57A
285-430	Step down from 35mm terminal to16mm/10mm	90A

WIELAND WTPN

PUSH IN TERMINALS

ESHOP

Type	2 Pole	3 Pole	4 Pole	4 Pole - Double/Deck	6 Pole - Triple/Deck
	WTPN 2.5	WTPN 2.5 D1/2	WTPN 2.5 D2/2	WTPN 2.5 E	WTPN 2.5 E3
Grey Terminal	5D.203.0055.0	5D.203.5055.0	5D.203.5155.0	5D.203.7055.0	5D.203.7155.0
Blue Terminal	5D.203.0055.6	5D.203.5055.6	5D.203.5155.6		
Earth Terminal	5D.203.9055.0	5D.203.9155.0	5D.203.9255.0	5D.203.9655.0	5D.203.9755.0
Grey End Plate	0D.203.2055.0	0D.203.2155.0	0D.203.2255.0	0D.203.2355.0	0D.203.2455.0
Partition Plate	0D.202.1055.0				
	WTPN 4	WTPN 4 D1/2	WTPN 4 D2/2	WTPN 4 E	
Grey Terminal	5D.204.0055.0	5D.204.5055.0	5D.204.5155.0	5D.204.7055.0	
Blue Terminal	5D.204.0055.6	5D.204.5055.6	5D.204.5155.6		
Earth Terminal	5D.204.9055.0	5D.204.9155.0	5D.204.9255.0	5D.204.9655.0	
Grey End Plate	0D.204.2055.0	0D.204.2155.0	0D.204.2255.0	0D.204.2355.0	
Partition Plate	0D.202.1055.0				
	WTPN 6	WTPN 6 D1/2	WTPN 6 D2/2		
Grey Terminal	5D.206.0055.0	5D.206.5055.0	5D.206.5155.0		
Blue Terminal	5D.206.0055.6	5D.206.5055.6	5D.206.5155.6		
Earth Terminal	5D.206.9055.0	5D.206.9155.0	5D.206.9255.0		
Grey End Plate	0D.206.2055.0	0D.206.2155.0	0D.206.2255.0		
Partition Plate	0D.206.1055.0				
	WTPN 10	WTPN 10 D1/2			
Grey Terminal	5D.210.0055.0	5D.210.5055.0			
Blue Terminal	5D.210.0055.6	5D.210.5055.6			
Earth Terminal	5D.210.9055.0	5D.210.9155.0			
Grey End Plate	0D.210.2055.0	0D.210.2155.0			
	WTPN 16	WTPN 16 D1/2			
Grey Terminal	5D.216.0055.0	5D.216.5055.0			
Blue Terminal	5D.216.0055.6	5D.216.5055.6			
Earth Terminal	5D.216.9055.0	5D.216.9155.0			
Grey End Plate	0D.216.2055.0	0D.216.2155.0			

WTPN PUSH IN TERMINAL

JUMPER BARS

ESHOP

Type	2.5mm	4mm	6mm	10mm	16mm
2 Way	0D.203.3227.5	0D.204.3227.5	0D.206.3227.5	0D.210.3227.5	0D.216.3227.5
3 Way	0D.203.3327.5	0D.204.3327.5	0D.206.3327.5	0D.210.3327.5	
4 Way	0D.203.3427.5	0D.204.3427.5	0D.206.3427.5	0D.210.3427.5	
5 Way	0D.203.3527.5	0D.204.3527.5	0D.206.3527.5	0D.210.3527.5	
10 Way	0D.203.4027.5	0D.204.4027.5	0D.206.4027.5		

WIELAND WTN PUSH IN FUSE AND DISCONNECT TERMINALS

ESHOP

Type	Single Level Fuse 4mm	Single Level - Auto 2.5mm	Single Level Disconnect 2.5mm	Double Deck Disconnect 2.5mm
	WTPN 4 TKG 20 x 5	WTPN 4 FSI	WTPN 2.5 TKM	WTPN 2.5 E TKM
Grey Terminal	5D.204.4055.0	5D.204.4655.0	5D.203.2055.0	5D.203.2255.0
Grey End Plate	0D.204.2455.0	0D.204.2455.0	0D.203.1955.0	0D.203.3055.0

WIELAND WTN SCREW TERMINALS

ESHOP

Type	2.5mm	4mm	6mm	10mm	16mm	35mm	50mm
	WTN 2.5	WTN 4	WTN 6	WTN 10	WTN 16	WTN 35	WTN 50
Grey Terminal	5D.S03.0055.0	5D.S04.0055.0	5D.S06.0055.0	5D.S10.0055.0	5D.S16.0055.0	5D.S35.0055.0	5D.S50.0055.0
Blue Terminal	5D.S03.0055.6	5D.S04.0055.6	5D.S06.0055.6	5D.S10.0055.6	5D.S16.0055.6	5D.S35.0055.6	5D.S50.0055.6
Earth Terminal	5D.S03.9055.0	5D.S04.9055.0	5D.S06.9055.0	5D.S10.9055.0	5D.S16.9055.0	5D.S35.9055.0	5D.S50.9055.0
Grey End Plate	0D.S04.2055.0	0D.S04.2055.0	0D.S06.2055.0	0D.S10.2055.0	0D.S16.2055.0	Fully Enclosed	Fully Enclosed
Partition Plate	0D.S04.1055.9	0D.S04.1055.9	0D.S04.1055.9	0D.S06.1055.9	0D.S16.1055.9		

Type	95mm	150mm	240mm	Double Deck		Triple Deck
	WTN 95	WTN 150	WTN 240	2.5mm	4mm	2.5mm
Grey Terminal	5D.S95.0055.0	5D.S97.0055.0	5D.S99.0055.0	WTN 2.5 E	WTN 4 E	WTN 2.5 E3
Blue Terminal	5D.S95.0055.6	5D.S97.0055.6	5D.S99.0055.6	5D.S03.7055.0	5D.S04.7055.0	5D.S03.7155.0
Earth Terminal	5D.S95.9055.0	5D.S97.9055.0	5D.S99.9055.0	5D.S03.7055.6	5D.S04.7055.6	5D.S03.7155.6
Grey End Plate	Fully Enclosed	Fully Enclosed	Fully Enclosed	5D.S03.9655.0	5D.S04.9055.0	5D.S04.9655.0
Partition Plate				0D.S03.2355.0	0D.S03.2355.0	0D.S03.2455.0
				0D.S04.1055.9	0D.S04.1055.9	0D.S04.1055.9

WTN SCREW TERMINAL

JUMPER BARS

ESHOP

Type	2.5mm	4mm	6mm	10mm	16mm
2 Way	0D.S03.3227.5	0D.S04.3227.5	0D.S06.3227.5	0D.S10.3227.5	0D.S16.3227.5
3 Way	0D.S03.3327.5	0D.S04.3327.5	0D.S06.3327.5	0D.S10.3327.5	
4 Way	0D.S03.3427.5	0D.S04.3427.5	0D.S06.3427.5	0D.S10.3427.5	
5 Way	0D.S03.3527.5	0D.S04.3527.5	0D.S06.3527.5	0D.S10.3527.5	
10 Way	0D.S03.4027.5	0D.S04.4027.5	0D.S06.4027.5		

WIELAND WTN SCREW FUSE AND DISCONNECT TERMINALS

ESHOP

Type	Single Level Fuse 4mm	Double Deck Fuse 4mm	Single Level Disconnect 4mm
	WTN 4 FSI 20x5	WTN 4 E FSI 5X20	WTN 4 S TKM
Grey Terminal	5D.S04.4355.0	5D.SE4.5055.0	5D.SB4.2055.0
Grey End Plate	0D.S04.2455.0	0D.S04.2555.0	0D.S04.1955.0

WIELAND FUSE HOLDER INSERTS, BASES & PLATES

FOR ISOLATION AND PROTECTION OF CIRCUITS

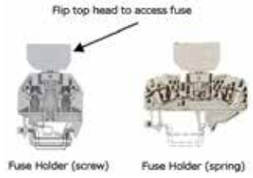
ESHOP

Description
Fuse terminals with rocking head for disconnection. Takes standard 5x20mm glass fuses. 6.3mm x 32mm also on request.

Conductor Sizes
» Stranded: 0.13mm² to 4mm²
» Solid: 0.13mm² to 6mm²
Available in both Spring Clamp and Screw terminal options.

Features
Fuse insert can be pulled out and removed making it easy to check fuses.

Current Rating
» Dependant on fuse



Part No.	Type	Series	Clamp
Bases			
56.704.4055.0	Fuse Terminal Base	WKFN 4 TKG/35	Spring
57.504.4055.0	Fuse Terminal Base	WK 4 TKG/U /V0	Screw
End Plates			
07.312.9055.0	Grey End Plate	APFN 4 D2/2	Spring
07.311.6155.0	Grey End Plate	AP 4 TK /V0	Screw
Inserts (5 x 20mm)			
Z1.298.1153.0	12-24V LED Indication	THSI 5X20LED 24	

WIELAND FUSE HOLDER TERMINALS

FOR ISOLATION AND PROTECTION OF CIRCUITS

ESHOP

Description
Fuse terminal block for standard glass fuses. Takes standard 5x20mm or 6.3x32mm glass fuses. Available in Screw Terminal only.

Conductor Sizes
» Stranded: 0.13mm² to 4mm²
» Solid: 0.13mm² to 6mm²

Features
Fully enclosed so it does not require an extra end plate. As it is all one piece, this makes it the strongest and most robust fuse holder in the range.

Current Rating
» Depende nt on fuse

Part No.	Type	Series	Clamp
for (5 x 20mm, 5 x 25mm and 5 x 30mm)			
57.904.5355.0	No LED Indication	WK 4 / THSI5 U/V0	Screw
57.904.5555.0	24V LED Indication	WK 4/THSI5 LED 24U /V0	Screw

WIELAND RST - 3 POLE 20A RANGE

IP68 SINGLE PHASE CONNECTORS

ESHOP

Details
Plastic waterproof connection solutions. Made from extremely tough UV resistant plastic. Connection is made via pushing connectors together and is held in place via locking pin. A screwdriver is required to release the connection.

Conductor Sizes
» 0.75mm² to 4mm²

Voltage Rating
» 250V

Current Rating
» 20A

Applications
» Outdoor Lighting
» Stage Lighting
» Garden Lighting
» Extension leads
» Repairing damaged cables
» Pumps in wet areas

IP Rating
» IP68

Part No.	Rating	Type	Cable OD	Hole Size
Connectors				
96.032.4053.1	250V / 20A	Male Connector	6-10mm	
96.031.4053.1	250V / 20A	Female Connector	6-10mm	
96.032.4153.1	250V / 20A	Male Connector	10-14mm	
96.031.4153.1	250V / 20A	Female Connector	10-14mm	
Panel Mount				
96.032.5053.1	250V / 20A	Male Panel Mount		M25
96.031.5053.1	250V / 20A	Female Panel Mount		M25
Splitter				
96.030.0153.1	250V / 20A	Splitter -1 male / 3 Females		

WIELAND RST - 5 POLE 20A RANGE

IP68 THREE-PHASE CONNECTORS

ESHOP

Details
Plastic waterproof connection solutions. Made from extremely tough UV resistant plastic. Connection is made via pushing connectors together and is held in place via locking pin. A screwdriver is required to release the connection.

Conductor Sizes
» 0.75mm² to 4mm²

Voltage Rating
» 250/400V (Suitable for 3 phase)

Current Rating
» 20A

Applications
» Pumps in wet areas
» Motor connections for machines

IP Rating
» IP68

Part No.	Rating	Type	Cable OD	Hole Size
Connectors				
96.052.4053.1	400V / 20A	Male Connector	6-10mm	
96.051.4053.1	400V / 20A	Female Connector	6-10mm	
96.052.4153.1	400V / 20A	Male Connector	10-14mm	
96.051.4153.1	400V / 20A	Female Connector	10-14mm	
Panel Mount				
96.052.5053.1	400V / 20A	Male Panel Mount		M25
96.051.5053.1	400V / 20A	Female Panel Mount		M25

WIELAND EMERGENCY STOPS

CAT 2,3,4 (EN ISO 13849-1) ESTOP BUTTONS

ESHOP

Estop Buttons

Contacts

Base

Part No.	Type	Description
Estop Buttons		
R1.200.0100.0	SNH 0100	IP65 Estop Button
R1.200.0400.0	SNH 0400	IP65 Estop Button with Illumination
R1.200.0500.0	SNH 0500	IP65 Estop Button with Key Lock Release
Contacts		
R1.200.0022.0	SNH 0022	2 x N/C with Failure Protection
R1.200.0023.0	SNH 0023	2 x N/C with Failure Protection (with Illumination)
R1.200.0032.0	SNH 0032	2 x N/C + 1 x N/O with Failure Protection
R1.200.0033.0	SNH 0033	2 x N/C + 1 x N/O with Failure Protection (with Illumination)
Base		
R1.200.6001.0	SNH 6001	Estop base Housing (M20 gland knockout)

WIELAND MAGNET SAFETY SWITCHES

CAT 4 (EN ISO 13849-1) MAGNETIC SENSORS IP67

ESHOP

Part No.	Type	Contacts	Dimensions
Block Magnet			
R1.100.0119.0	SMA 0119	N/O + N/C	
R1.100.0129.0	SMA 0129	2 x N/O	w36 x h26 x d13
R1.100.4100.0	Spacer / Washer		
Rectangle Magnet			
R1.100.0219.0	SMA 0219	N/O + N/C	
R1.100.0229.0	SMA 0229	2 x N/O	w88 x h25 x d14
R1.100.4200.0	Spacer / Washer		
Round Magnet			
R1.100.0319.0	SMA 0319	N/O + N/C	M30 x 32mm
R1.100.0329.0	SMA 0329	2 x N/O	
Interface Block			
R1.100.4001.0	SMI 1001	Up to 4 NC/NC Magnets	
Connection block for sensors for up to Category 3 (EN ISO 13849-1) Signal output and LED Indication for each sensor			
Sensor Connectors			
22260309	M8 Straight with 2m cable		
22260310	M8 Straight with 5m cable		
22260317	M8 Straight with 10m cable		
22260311	M8 Angled with 2m cable		
22260312	M8 Angled with 5m cable		
22260319	M8 Angled with 10m cable		
22260126	M8 Connector (screw termination)		
22260983	Cable Joiner		
7038865	Sensor Cable 4 x 0.34		

Block Magnet

Rectangle Magnet

Round Magnet

Interface Block

Sensor Connectors

WIELAND MECHANICAL SAFETY SWITCHES

SAFETY SWITCH WITH GUARDLOCKING AND SEPARATE ACTUATOR

ESHOP

SIN 1330 AC/ DC 24V

SIN 9001

SIN 9002

Part No.	Type	Description
R1.310.1330.0	SIN 1330 AC/DC 24V	Safety switch with LED indication
R1.310.9001.0	SIN 9001	Standard Actuator
R1.310.9002.0	SIN 9002	Adjustable Actuator with ball point

WIELAND SAMOS PRO

PROGRAMMABLE SAFETY CONTROLLER

ESHOP

Details
» Cost effective and extremely flexible programmable safety controller.

Application
» SIL3 (IEC 61508), SILCL3 (IEC 62061)
» Category 4 (EN ISO 13849-1)

Features
» Free configuration software
» Flexible modular slice based IO system
» Each controller can process up to 96 Safe Inputs and 48 Safe outputs

Safety Controllers

Input Modules

Fieldbus Modules

Item No	Description	Connection
Safety Controllers		
R1.190.1210.0	SP-COP2-EN-A DC 24V (Controller Module)	Ethernet Programming
R1.190.1220.0	SP-COP2-EN-C DC 24V (Controller Module)	Ethernet Programming
R1.190.1310.0	SP-COP2-ENI-A DC 24V (Controller Module)	Modbus TCP and EtherNet/IP
R1.190.1320.0	SP-COP2-ENI-C DC 24V (Controller Module)	PROFINET IO, EtherNet/IP and Modbus TCP
R1.190.1000.0	SP-COP-CARD1 (Memory Insert)	
R1.190.1010.0	SP-CABLE-USB1 (Programming Cable)	
Input / Output Modules		
R1.190.0030.0	8 Safe Inputs / 4 Safe Outputs	Screw
R1.190.0040.0	8 Safe Inputs / 4 Safe Outputs	Spring
Input Modules		
R1.190.0050.0	8 Safe Inputs	Screw
R1.190.0060.0	8 Safe Inputs	Spring
Fieldbus Modules		
R1.190.0210.0	CANopen	Can Connector
R1.190.0190.0	Profibus DP	D9

WIELAND SAMOS S4000 SERIES

UNIVERSAL SAFETY RELAYS

ESHOP

SNO 4062K
The device is a two-channel switching device for emergency stop applications with self-monitoring on each ON-OFF cycle. It complies with EN 60204-1 and is equipped with forcibly guided relays.

Protection
» PL e / Category 4 (EN ISO 13849-1)
» SILCL 3 (EN 62061)

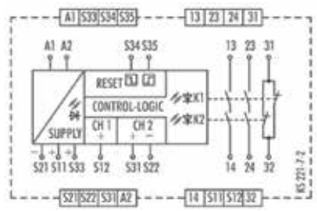
Application
» EStops
» Magnet Safety Gates
» Light Barriers

Basic function
With supply voltage applied to terminals A1/A2 and the safety inputs closed, pressing the reset button closes the enabling current paths (manual start). When the safety inputs are opened/de-energized the enabling current paths will open.

Emergency Stop Monitoring

Protective Gate Monitoring

Monitoring Light Barriers



Item No	Description	Connection
R1.188.0700.2	SNO4062K	Screw Terminals

BASIC CABLE TIES

BASIC CABLE TIES

ESHOP

Benefits
High resistance to bases, oils, greases, oil derivates, solvents containing chlorine

Application range
Basic Tie is a multipurpose cable tie for many applications

Product features
» Flame retardancy: UL 94 class V2.
» UV Resistant

Dimensions	1000 Pack	500 pack	100 pack
White			
98mm x 2.5mm	61831001-1000		
160mm x 2.5mm	61831003-1000		
200mm x 2.6mm	61831004-1000		
200mm x 3.5mm	61831006-1000		
290mm x 3.5mm		61831007-500	
200mm x 4.8mm			
290mm x 4.8mm			61831014-100
360mm x 4.8mm			61831016-100
450mm x 7.8mm			61831023-100
Black			
98mm x 2.5mm	61831041-1000		
140mm x 3.5mm	61831045-1000		
160mm x 2.6mm	61831043-1000		
160mm x 4.5mm	61831049-1000		
200mm x 2.6mm	61831044-1000		
200mm x 3.5mm	61831046-1000		
290mm x 3.5mm		61831047-500	
200mm x 4.5mm	61831051-1000		
370mm x 3.5mm			61831053-100
290mm x 4.5mm			61831054-100
360mm x 4.5mm			61831056-100
365mm x 7.5mm			61831062-100
450mm x 7.5mm			61831063-100
540mm x 7.5mm			61831064-100
750mm x 7.5mm			61831065-100

TY-RAP®

WEATHER-PROOF, UV-STABILISED CABLE TIES

ESHOP

Description
Cable ties were first invented by Thomas & Betts, an electrical company, in 1958 under the brand name Ty-Rap. Initially they were designed for airplane wire harnesses.

Application range
The TY-RAP® weather-resistant product is used outdoors for installation and maintenance of power plants.

Benefits
Weather-resistant

TY- RAP®
Is a trademark of Thomas&Betts

Product features
Metal blade in head

Approvals
File Number E49405

Description	Dimensions	1000 Pack	500 Pack	100 Pack	50 Pack
TY Black					
TYB 23 MX	92 x 2.3	61723010			
TYB 24 MX	140 x 3.6	61723020			
TYB 25 MX	186 x 4.8	61723030			
TY 26 MX	281 x 3.6	61723040			
TY 27 MX	340 x 7.0		61723050		
TY 28 MX	361 x 4.8	61723060			
TY 234 MX	356 x 2.4				
NDT (Detectable Blue)					
TY523M	93.0 x 2.3			61723351	
TY525M	186 x 4.6			61723352	
TY528M	360 x 4.8			61723353	
TY527M	340 x 6.9				61723354

STAINLESS STEEL TIE TOOL

CABLE TIE TIGHTENING TOOL (INCLUDING CUTTING HEAD)

ESHOP

Application range
For stainless steel cable ties

Benefits
» Handy processing tool for stainless steel ties (up to 0.3 mm thick)
» Cable tie is automatically cut at its end once the required tension is achieved
» Sharp edges are avoided
» Tensioning force can be adjusted in increments

Note
» Guaranteed up to 2000 pulls
» Further spare parts are available
» Use the adjusting screw to receive a clean cut - the right tension is depending on the type of cable tie used

Part No.	Max. cable tie width (mm)	D x V mm	Weight (kg)
83250022	7.9	178 x 140	0.56

SILVYN® RILL CONDUIT

STRONG FLEXIBLE NYLON CONDUIT

ESHOP

Construction
» PA6 Nylon - Halogen free

Temperature Rating
» Conduit: -40°C to 115°C
» Glands: -30°C to 100°C

Protection
» IP68 - with straight glands
» IP67 - with right angle glands

Conduit

Straight gland

90 degree gland

Conduit clip

	12mm	16mm	20mm	25mm	32mm	40mm	50mm
Grey Nylon							
Type	9	11	16	21	29	36	48
Conduit	61746940	61746950	61746960	61746970	61746980	61746990	61747000
ID	10mm	12mm	16.5mm	23mm	29mm	36mm	48mm
OD	13mm	15.8mm	21.2mm	28.5mm	34.5mm	42.5mm	54.5mm
Coil Size	50m	50m	50m	50m	25m	25m	25m
Straight Gland	55501010	55501030	55501050	55501060	55501070	55501080	55501090
90 Degree Gland	55501120	55501140	55501160	55501180	55501200	55501220	55501240
Locknut (Grey)	53119000	53119010	53119020	53119030	53119040	53119050	53119060
Conduit Clip	65500310	65500320	65500340	65500350	65500360		65500380
Black Nylon							
Type	9	11	16	21	29	36	48
Conduit	61746945	61746955	61746965	61746975	61746985	61746995	61747005
ID	10mm	12mm	16.5mm	23mm	29mm	36mm	48mm
OD	13mm	15.8mm	21.2mm	28.5mm	34.5mm	42.5mm	54.5mm
Coil Size	50m	50m	50m	50m	25m	25m	25m
Straight Gland	55501015	55501035	55501055	55501065	55501075	55501085	55501095
90 Degree Gland	55501125	55501145	55501165	55501185	55501205	55501225	55501245
Locknut (Black)	53119100	53119110	53119120	53119130	53119140	53119150	53119160
Conduit Clip		65500325	65500345	65500355	65500365		
Conduit Clip2	55506915	55506925	55506935	55506945	55506955	55506965	55506975

SILVYN® LTP

LIQUID TIGHT BLACK CONDUIT WITH THICK PVC JACKET

ESHOP

Construction
» Galvanised steel, PVC sheath
» Protects against liquids
» High crush-resistance

Temperature Rating
» Conduit: -20°C to 105°C
» Gland: -50°C to 135°C

Protection
» IP65, IP67, IP68 (5 Bar) and IP69K

Conduit

Straight gland

90 degree gland

	16mm	20mm	25mm	32mm	40mm	50mm
Liquid Tight PVC						
Conduit	61805420	61805430	61805440	61805450	61805460	61805470
ID	12.6mm	16mm	21mm	26.5mm	35.4mm	40.4mm
OD	17.8mm	21.1mm	26.4mm	33.1mm	41.8mm	47.9mm
Coil Size	50m	50m	25m	25m	10m	10m
Straight Gland	55510220	55510240	55510250	55510260	55510270	55510280
90 Degree Gland	55510410	55510430	55510440	55510450	55510460	55510470
Locknut (Metal)	52103010	52103020	52103030	52103040	52103050	52103060

SILVYN® SPLIT

PARALLEL CORRUGATED, DIVISIBLE CONDUIT THAT IS QUALIFIED FOR SUBSEQUENT INSTALLATION

ESHOP

Construction
» Polypropylene
» Flexible & crush resistant

Temperature Rating
» Conduit PP: -40°C to +135°C
» Split Gland: -40°C to +120°C

Protection
» IP43 with SILVYN® SPLIT COV

Conduit

Gland

Locknut

	16mm	20mm	25mm	32mm	40mm
Split Conduit					
Conduit	61806625	61806635	61806645	61806655	61806665
ID	8.4mm	12.5mm	19.2mm	23.4mm	31mm
OD	13.4mm	18.5mm	25.3mm	30.8mm	41.4mm
Coil Size	50m	50m	50m	50m	25m
Gland (Split)	61806680	61806681	61806682	61806683	61806684
Locknut (Nylon Split)	61806686	61806687	61806688	61806689	61806691

View the full range online at lappaustralia.com.au/flexible-cable-conduits

tosi

SECURE, SCALABLE, REMOTE ACCESS MADE SIMPLE.

TOSIBOX® Lock

is a router with firewall sharing access to devices. One TOSIBOX® Lock protects all devices behind it. As the company grows, more Locks can be added to various locations.

TOSIBOX® Key

is a dongle used to access the network. In addition to a Master Key, the ecosystem can have several users with more physical keys, mobile app or software licences.

LOCK 175

TBL175

ESHOP

Features

Industrial router with firewall, 4G module and secure Plug & Go™ connectivity. Serves as an end point for secure remote connections.

» Up to 10 concurrent VPN connections
» VPN throughput up to 10 Mbit/s

KEY & SOFT KEY

TBK2 & TBSKL1

ESHOP

Features

Intelligent cryptoprocessing device that enables a secure connection between your computer and one or more TOSIBOX® Locks.

» TOSIBOX® Key USB - must have at least one for the Master Key
» TOSIBOX® Softkey is a computer software that works as a Sub Key controlled via a physical Master Key

tosi Softkey

LOCK 375

TBL375

ESHOP

Features

Industrial router with firewall, built-in LTE module and secure Plug & Go™ connectivity. Serves as an endpoint for secure remote connections.

» Up to 50 concurrent VPN connections
» VPN throughput up to 10 Mbit/s

600 SERIES

610/675/695

ESHOP

Features

Tosibox® 600 series contains devices for all connectivity scenarios and meets the most demanding operating conditions. Bringing connectivity to those hard to reach locations has never been this easy. 600 Series has VPN throughput up to 70Mbit/s and up to 50 concurrent VPN connections.

» TOSIBOX® 610 - High Performance Ethernet
» TOSIBOX® 675 - High Performance, GPS, for 2x4G, Ethernet and WiFi
» TOSIBOX® 695 - 5G enabled, ruggedised industrial VPN router built for demanding, high-throughput deployments

Promo

SPECIAL BUNDLE OFFER LOCK 175 + KEY

TOSI-TBSKIT175-PROMO

WIDE RANGE OF INDUSTRIAL AUTOMATION SOLUTIONS

LAPP Australia's Industrial Automation team offers a comprehensive range of products designed to enhance your operations. We've partnered with leading industry brands, including Allied Telesis, Cambium Networks, Tosibox, Vecow, Wago, and Wieland, to deliver top-tier solutions.

Our services include:

- Engineering consultancy
- Pre- and post-sales technical support
- Product demonstrations
- Hands-on training
- Local product availability

LAPP

ESHOP

Description

Complete connectivity solutions for industrial automation, including power, control and data cables, industrial Ethernet, connectors and active networking components.

Products

- Ethernet Switches
- Ethernet Monitoring Devices
- Cable and connectors for Automation applications

KYLAND

ESHOP

COMING SOON - CONTACT LAPP AUSTRALIA FOR MORE INFORMATION

Description

Kyland industrial Ethernet networking solutions for reliable communication in demanding industrial environments.

Products

- Industrial Managed & Unmanaged Ethernet Switches
- DIN-Rail Ethernet Switches
- Industrial PoE & Fibre Networking
- SFP Modules & Accessories
- Serial & Industrial Communication Gateways

Applications

- Factory Automation & Machine Building
- Industrial Control & Automation Networks
- Energy & Infrastructure
- Transportation & Process Industries

Vecow

ESHOP

Description

Industrial-grade edge computing platforms for automation, machine vision and AI applications, including fanless computers, panel PCs and rugged embedded systems.

Products

- Industrial PCs, Panel PCs & Industrial Displays
- AI Computing Systems
- Fanless industrial computer systems
- Vehicle Computing systems
- Ultra-Compact embedded systems
- Edge AI and IoT solutions
- IP67 Computers
- Multi touch industrial panel PCs and displays
- Solutions for intelligent automation, SCADA, machine vision, public security and AMRs

WAGO

ESHOP

Description

Flexible automation and control solutions, including PLCs, remote I/O, industrial switches, power supplies and interface products for machine and process automation.

Products

- Edge Controllers & Computers
- Industrial Switches
- Wireless Access Modules
- PLC Controllers and I/O systems
- IP67 remote I/O
- Sensor / Actuator Boxes
- Power Supplies
- Uninterruptible Power Supplies (UPS)
- Electronic Circuit Breakers (ECBs)
- Ground Resistance Signaling Module
- Signal Conditioners & Isolation Amplifiers

Cambium Networks

ESHOP

Description

Reliable wireless networking solutions for industrial and enterprise applications, covering fixed wireless broadband, wireless bridges and high-performance Wi-Fi access points.

Products

- Point to multipoint Fixed Wireless Broadband
- Point to point wireless bridging solutions
- Wireless Enterprise Access Points

Allied Telesis

ESHOP

Description

Secure industrial and enterprise networking solutions, including managed Ethernet switches, PoE, wireless systems, media converters and fibre connectivity

Products

- Industrial Layer 2 & 3
- Managed Ethernet Switches
- Commercial and enterprise Ethernet Switches
- Power over Ethernet (POE+)
- Wireless Solutions
- Media Converters
- Transceivers / SFPs

COLOUR CODING FOR POWER CABLES

AWG TO MM² CONVERSION

CONTROL CABLE WITH UL APPROVALS

AWG	Actual mm²	Suggested Metric Nominal Size
1	42.4	50mm²
2	33.6	35mm²
4	21.2	25mm²
6	13.3	16mm²
8	8.37	10mm²
10	5.26	6mm²
12	3.31	4mm²
14	2.08	2.5mm²
16	1.31	1.5mm²
18	0.823	1mm²
20	0.519	0.75mm²
22	0.324	0.5mm²
24	0.205	0.25mm²
26	0.128	0.14mm²
28	0.0804	0.08mm²

ACCEPTED STANDARDS AS/NZS 3000:2018

For industrial factory and machine applications many of the cables are being designed and manufactured in Europe. Some cables use AS/NZS colour coding but many of the high end cables (including flexible cables and robotic cables) will use the European VDE colour coding standard.

AS/NZS Standard, European and number coded standards are accepted in Australia (AS/NZS 3000:2018 ref 3.8.3.3)

AS/NZS STANDARD

Cores	3	4	5
Application	Single Phase	Three Phase	3 Phase + N
Earth	Green/Yellow	Green/Yellow	Green/Yellow
Neutral	Black		Black
	Red	Red	Red
Phases		White	White
		Blue	Blue

VDE EUROPEAN STANDARD

Cores	3	4	5
Application	Single Phase	Three Phase	3 Phase + N
Earth	Green/Yellow	Green/Yellow	Green/Yellow
Neutral	Blue		Blue
	Brown	Brown	Brown
Phases		Black	Black
		Grey	Grey

NUMBER CODED

Cores	3	4	5
Application	Single Phase	Three Phase	3 Phase + N
Earth	Green/Yellow	Green/Yellow	Green/Yellow
Neutral	2		4
	1	1	1
Phases		2	2
		3	3

CROSS-REFERENCE BETWEEN STANDARDS

	AS/NZS	European	Number Coded
Phase 1	Red	Brown	1
Phase 2	White	Black	2
Phase 3	Blue	Grey	3
Neutral	Black	Blue	4
Earth	Green/Yellow	Green/Yellow	Green/Yellow

UNITRONIC® DATA CABLE COLOUR CODING

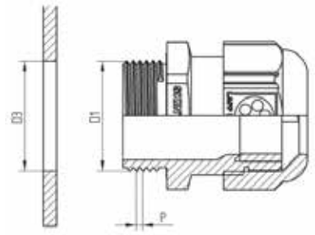
DIN 47100 INTERNATIONAL COLOUR CODING STANDARD

Colour	Core	Pair
white	1	1
brown	2	1
green	3	2
yellow	4	2
grey	5	3
pink	6	3
blue	7	4
red	8	4
black	9	5
violet	10	5
grey/pink	11	6
red/blue	12	6
white/green	13	7
brown/green	14	7
white/yellow	15	8
yellow/brown	16	8
white/grey	17	9
grey/brown	18	9
white/pink	19	10
pink/brown	20	10
white/blue	21	11
brown/blue	22	11
white/red	23	12
brown/red	24	12
white/black	25	13
brown/black	26	13
grey/green	27	14
yellow/grey	28	14
pink/green	29	15
yellow/pink	30	15
green/blue	31	16
yellow/blue	32	16
green/red	33	17
yellow/red	34	17
green/black	35	18
yellow/black	36	18
grey/blue	37	19
pink/blue	38	19
grey/red	39	20
pink/red	40	20

THREAD SIZES

HOLE SIZES FOR SKINTOP® GLANDS

Metric Thread			
Size	**Pitch (mm)**	**ø D1**	**Hole size ø D3**
M12 x 1,5	1,5	12	12,3 ± 0,2
M16 x 1,5	1,5	16	16,3 ± 0,2
M20 x 1,5	1,5	20	20,3 ± 0,2
M25 x 1,5	1,5	25	25,3 ± 0,2
M32 x 1,5	1,5	32	32,3 ± 0,2
M40 x 1,5	1,5	40	40,4 ± 0,3
M50 x 1,5	1,5	50	50,4 ± 0,3
M63 x 1,5	1,5	63	63,4 ± 0,3
PG Thread			
PG 7	1,27	12,5	13,0 ± 0,2
PG 9	1,41	15,2	15,7 ± 0,2
PG 11	1,41	18,6	19,0 ± 0,2
PG 13,5	1,41	20,4	21,0 ± 0,2
PG 16	1,41	22,5	23,0 ± 0,2
PG 21	1,588	28,3	28,8 ± 0,2
PG 29	1,588	37,0	37,5 ± 0,3
PG 36	1,588	47,0	47,5 ± 0,3
PG 42	1,588	54,0	54,5 ± 0,3
PG 48	1,588	59,3	59,8 ± 0,3



CURRENT RATINGS FOR 90 DEGREE SWITCHBOARD FLEX

Conductor cross-sectional area	Unenclosed				Enclosed			
	Spaced		Spaced from surface		Touching		Conduit in air	
mm²	A	A	A	A	A	A	A	A
10	92	89	90	76	72	72	72	64
16	121	121	121	101	95	95	95	86
25	165	160	160	138	127	127	127	121
35	204	198	193	171	160	160	160	138
50	253	242	237	209	193	193	193	171
70	319	308	303	264	248	248	242	209
95	396	385	374	330	308	308	286	253
120	462	451	435	385	358	358	341	297
150	534	517	495	446	413	413	385	341
185	627	605	572	517	479	479	440	391
240	748	726	682	616	572	572	523	462
300	869	847	792	715	671	660		534
400	1012	990	924	836	781	770		616

These ratings are based on an ambient air temperature of 30º C, and an ambient soil temperature of 15º C at 0.5m depth.

CURRENT RATINGS FOR V90HT BUILDING WIRE

Conductor cross-sectional area	Unenclosed				Enclosed				Single Phase Voltage Drop
	Spaced		Spaced from surface		Touching		Conduit in air		
mm²	A	A	A	A	A	A	A	A	mV/A/m
1	16	16	16	14	13	13	13	11	54.0
1.5	21	20	21	17	16	16	16	14	34.6
2.5	30	29	29	25	23	23	22	20	18.9
4	40	38	39	33	31	31	30	26	11.7
6	51	49	49	42	40	40	38	34	7.86
10	69	67	67	58	54	54	53	47	4.67
16	92	89	89	77	72	72	71	62	2.94

These ratings are based on an ambient air temperature of 40º C, and an ambient soil temperature of 15º C at 0.5m depth.

ÖLFLEX®
Power and control cables

UNITRONIC®
Data communication systems

ETHERLINE®
Data communication systems for ETHERNET technology

HITRONIC®
Optical transmission systems

EPIC®
Industrial connectors

SKINTOP®
Cable glands

SILVYN®
Protective cable conduit systems and cable carrier systems

FLEXIMARK®
Marking systems

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7th Edition