

# Power and control cables

Building Applications



## ÖLFLEX® POWER CTPS PVC

PVC insulated, PVC sheathed cables



### Benefits

- Wide range of application opportunities

### Application range

- For fixed installation in power and lighting circuits in commercial buildings
- Plant engineering and construction, industrial machinery, power station
- Suitable for outdoor used under direct sunlight

### Product features

- Flame retardant acc. to AS/NZS 1660.5.6 resp. to IEC 60332-1-2
- UV-resistant outer sheath for outdoor application

### Product Make-up

- Stranded plain annealed copper wire
- PVC (V-90) core insulation
- PVC (5V-90) outer sheath, orange
- Also available in black outer sheath

### Info

- Multicore power cable
- Based on AS/NZ Standard

### Technical data

**Classification**  
ETIM 5.0 Class-Description: Low voltage power cable  
ETIM 5.0 Class-ID: EC000057

**Core identification code**  
acc. to AS/NZS 5000.1

**Conductor stranding**  
Stranded wire acc. to AS/NZS 1125 Cl. 2

**Minimum bending radius**  
Fixed installation: 4 x cable diameter

**Nominal voltage**  
Reduced Earth:  
450/750V ( $\leq 6\text{mm}^2$ )  
600/1000V ( $\geq 10\text{mm}^2$ )  
Full Earth: 600/1000V

**Temperature range**  
Fixed installation:  $-20^\circ\text{C}$  to  $+90^\circ\text{C}$

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® POWER CTPS PVC - 450/750V</b>					
3801816	2x1.5+E	8.4	orange	43.2	105
3803840	2x1.5+E	8.4	black	43.2	105
3801831	3x1.5+E	9.3	orange	57.6	130
3803852	3x1.5+E	9.3	black	57.6	130
3801851	4x1.5+E	10.1	orange	72.0	155
3803864	4x1.5+E	10.1	black	72.0	155
3801817	2x2.5+E	10.1	orange	72.0	153
3803841	2x2.5+E	10.1	black	72.0	153
3801832	3x2.5+E	10.9	orange	96.0	192
3803853	3x2.5+E	10.9	black	96.0	192
3801852	4x2.5+E	11.9	orange	120.0	238
3803865	4x2.5+E	11.9	black	120.0	238
3801818	2x4+2.5E	11.1	orange	100.8	199
3803842	2x4+2.5E	11.1	black	100.8	199
3801833	3x4+2.5E	12.3	orange	139.2	266
3803854	3x4+2.5E	12.3	black	139.2	266
3801853	4x4+2.5E	13.7	orange	177.6	328
3803866	4x4+2.5E	13.7	black	177.6	328
3801819	2x6+2.5E	12.0	orange	139.2	258
3803843	2x6+2.5E	12.0	black	139.2	258
3801834	3x6+2.5E	13.6	orange	196.8	345
3803855	3x6+2.5E	13.6	black	196.8	345
3801854	4x6+2.5E	15.1	orange	254.4	440
3803867	4x6+2.5E	15.1	black	254.4	440
<b>ÖLFLEX® POWER CTPS PVC - 600/1000V, Full Earth</b>					
3801960	2x1.5+E	10.5	orange	43.2	142
3803902	2x1.5+E	10.5	black	43.2	142
3801964	3x1.5+E	11.3	orange	57.6	172
3803906	3x1.5+E	11.3	black	57.6	172
3801968	4x1.5+E	12.2	orange	72.0	203
3803910	4x1.5+E	12.2	black	72.0	203
3801961	2x2.5+E	11.4	orange	72.0	187
3803903	2x2.5+E	11.4	black	72.0	187
3801965	3x2.5+E	12.4	orange	96.0	231
3803907	3x2.5+E	12.4	black	96.0	231
3801969	4x2.5+E	13.5	orange	120.0	276
3803911	4x2.5+E	13.5	black	120.0	276

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® POWER CTPS PVC - 600/1000V, Reduced Earth</b>					
3801962	2x4+2.5E	12.9	orange	100.8	243
3803904	2x4+2.5E	12.9	black	100.8	243
3801963	2x6+2.5E	13.7	orange	139.2	301
3803905	2x6+2.5E	13.7	black	139.2	301
3801820	2x10+4E	15.4	orange	230.4	431
3803844	2x10+4E	15.4	black	230.4	431
3801821	2x16+6E	17.4	orange	364.8	616
3803845	2x16+6E	17.4	black	364.8	616
3801822	2x25+6E	20.3	orange	537.6	868
3803846	2x25+6E	20.3	black	537.6	868
3801823	2x35+10E	22.6	orange	768.0	1,183
3803847	2x35+10E	22.6	black	768.0	1,183
3801824	2x50+16E	25.7	orange	1,113.6	1,647
3803848	2x50+16E	25.7	black	1,113.6	1,647
3801966	3x4+2.5E	14.2	orange	139.2	313
3803908	3x4+2.5E	14.2	black	139.2	313
3801967	3x6+2.5E	15.3	orange	196.8	397
3803909	3x6+2.5E	15.3	black	196.8	397
3801835	3x10+4E	17.3	orange	326.4	578
3803856	3x10+4E	17.3	black	326.4	578
3801836	3x16+6E	19.8	orange	518.4	838
3803857	3x16+6E	19.8	black	518.4	838
3801837	3x25+6E	22.7	orange	777.6	1,211
3803858	3x25+6E	22.7	black	777.6	1,211
3801838	3x35+10E	25.6	orange	1,104.0	1,648
3803859	3x35+10E	25.6	black	1,104.0	1,648
3801839	3x50+16E	29.5	orange	1,593.6	2,314
3803860	3x50+16E	29.5	black	1,593.6	2,314
3801855	4x10+4E	19.1	orange	422.4	726
3803868	4x10+4E	19.1	black	422.4	726
3801856	4x16+6E	21.7	orange	672.0	1,061
3803869	4x16+6E	21.7	black	672.0	1,061
3801857	4x25+6E	26.1	orange	1,017.6	1,581
3803870	4x25+6E	26.1	black	1,017.6	1,581
3801858	4x35+10E	28.7	orange	1,440.0	2,114
3803871	4x35+10E	28.7	black	1,440.0	2,114
3801859	4x50+16E	33.3	orange	2,073.6	2,983
3803872	4x50+16E	33.3	black	2,073.6	2,983

- If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
- Photographs are not to scale and do not represent detailed images of the respective products.