

AS Orange Circular

POWER DISTRIBUTION CABLE FOR FIXED INSTALLATIONS

#1884



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LAPP KABEL AS ORANGE CIRCULAR V-90/5V-90

Core Identification

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

Minimum Bending Radius

- Fixed: 4 x cable OD

Rated Voltage

- 600/1000V

Temperature Rating

- -20 to 90

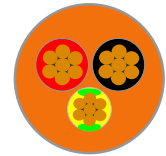
Core Identification

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

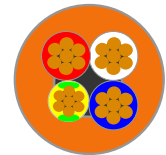
Standards

- AS/NZS 5000.1
- AS/NZS 1660.5.6
- EESS Compliant

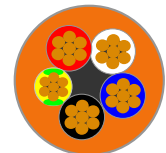
Part No.	Conductors	Earth Size	OD
3 CORE (2 CORE + EARTH)			
3801960	2x1.5mm	1.5mm	10.5mm
3801961	2x2.5mm	2.5mm	11.4mm
3801962	2x4mm	2.5mm	12.9mm
3801963	2x6mm	2.5mm	13.7mm
3801820	2x10mm	4mm	15.4mm
3801821	2x16mm	6mm	17.4mm
4 CORE (3 CORE + EARTH)			
3801964	3x1.5mm	1.5mm	11.3mm
3801965	3x2.5mm	2.5mm	12.4mm
5 CORE (4 CORE + EARTH)			
3801968	4x1.5mm	1.5mm	12.2mm
3801969	4x2.5mm	2.5mm	13.5mm
3801970	4x4mm	2.5mm	15.5mm
3801971	4x6mm	2.5mm	16.8mm
3801855	4x10mm	4mm	19.1mm
3801856	4x16mm	6mm	21.7mm
3801857	4x25mm	6mm	26.1mm
3801858	4x35mm	10mm	28.7mm



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				
mm ²	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

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