



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



Construction

- » Class 2 stranded conductors
- » 6mm and below – UV Resistant Sheath 5V-90, inner insulation V-90 (PVC)
- » 10mm and above – UV Resistant Sheath 5V-90, inner insulation X-90 (XLPE)
- » Cables are metre marked

Minimum Bending Radius

- » Fixed: 4 x cable OD

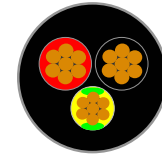
Temperature Rating

- » -20 to 90

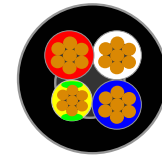
Standards

- » AS/NZS 5000.1
- » AS/NZS 5000.2
- » AS/NZS 1660.5.6

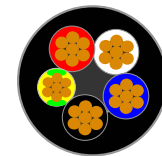
Part No.	Type	Conductors	Earth Size	Rating	OD	Insulation
3 core (2 core + earth)						
3803840	2 Core + Earth	1.5mm	1.5mm	450/750V	9.4mm	PVC/PVC
3803841	2 Core + Earth	2.5mm	2.5mm	450/750V	11mm	PVC/PVC
3803842	2 Core + Earth	4mm	2.5mm	450/750V	12.6mm	PVC/PVC
3803843	2 Core + Earth	6mm	2.5mm	450/750V	13.8mm	PVC/PVC
3803844A	2 Core + Earth	10mm	4mm	600/1000V	16.7mm	PVC/XLPE
3803845A	2 Core + Earth	16mm	6mm	600/1000V	18.9mm	PVC/XLPE
3803846A	2 Core + Earth	25mm	6mm	600/1000V	20.3mm	PVC/XLPE
3803847A	2 Core + Earth	35mm	10mm	600/1000V	22.6mm	PVC/XLPE
4 core (3 core + earth)						
3803852	3 Core + Earth	1.5mm	1.5mm	450/750V	10.1mm	PVC/PVC
3803853	3 Core + Earth	2.5mm	2.5mm	450/750V	11.9mm	PVC/PVC
3803854	3 Core + Earth	4mm	2.5mm	450/750V	13.6mm	PVC/PVC
3803855	3 Core + Earth	6mm	2.5mm	450/750V	15mm	PVC/PVC
3803856A	3 Core + Earth	10mm	4mm	600/1000V	17.3mm	PVC/XLPE
3803857A	3 Core + Earth	16mm	6mm	600/1000V	19.8mm	PVC/XLPE
5 core (4 core + earth)						
3803864	4 Core + Earth	1.5mm	1.5mm	450/750V	10.9mm	PVC/PVC
3803865	4 Core + Earth	2.5mm	2.5mm	450/750V	12.8mm	PVC/PVC
3803866	4 Core + Earth	4mm	2.5mm	450/750V	14.8mm	PVC/PVC
3803867	4 Core + Earth	6mm	2.5mm	450/750V	16.3mm	PVC/PVC
3803868A	4 Core + Earth	10mm	4mm	600/1000V	19.9mm	PVC/XLPE
3803869A	4 Core + Earth	16mm	6mm	600/1000V	22.8mm	PVC/XLPE
3803870A	4 Core + Earth	25mm	6mm	600/1000V	27.4mm	PVC/XLPE
3803871A	4 Core + Earth	35mm	10mm	600/1000V	30.5mm	PVC/XLPE
3803872A	4 Core + Earth	50mm	16mm	600/1000V	35.4mm	PVC/XLPE
3803873A	4 Core + Earth	70mm	25mm	600/1000V	40.7mm	PVC/XLPE
3803874A	4 Core + Earth	95mm	25mm	600/1000V	44.5mm	PVC/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				
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

