

LAPP KABEL STUTTGART AS BLACK CIRCULAR TPS

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

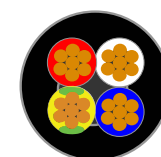
Standards

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

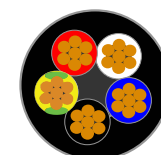
Item No	Cores	Conductors	Earth Size	Rating	OD	Insulation
3 core (2 core + earth)						
3803840	2 Core + Earth	1.5mm	1.5mm	450/750V	9.4mm	PVC
3803841	2 Core + Earth	2.5mm	2.5mm	450/750V	11mm	PVC
3803842	2 Core + Earth	4mm	2.5mm	450/750V	12.6mm	PVC
3803843	2 Core + Earth	6mm	2.5mm	450/750V	13.8mm	PVC
3803844A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



3 core (2 core + earth)



4 core (3 core + earth)



5 core (4 core + earth)

CURRENT RATINGS FOR CIRCULAR TPS

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	24	21	30
2.5	31	26	30	25	23	21	34	29	16.4
4	42	35	39	33	30	27	44	37	10.2
6	52	46	50	42	39	35	56	47	6.8
10	86	73	80	68	65	58	82	68	4.05
16	116	97	107	91	87	77	107	89	2.55
25	154	132	143	121	121	108	139	118	1.61
35	193	160	176	149	143	127	171	144	1.17
50	231	198	215	187	176	154	203	171	0.87
70	297	253	275	237	220	193	251	214	0.61
95	363	314	341	292	264	231	305	257	0.45

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



ECS

CIRCULAR TPS