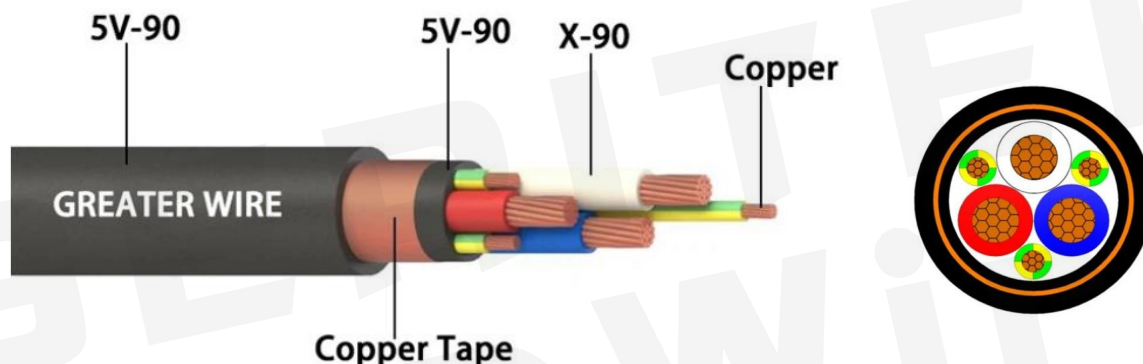


Multicore XLPE Insulated VSD/EMC Cables 0.6/1kV, Cu, Screened



Note: The above drawing is for representation purpose only.

Description

Conductor:	Class 2 Plain Annealed Copper
No. of cores:	1.5mm ² ~ 6mm ² : 3C+E, 10mm ² ~ 300mm ² : 3C+3E
Insulation:	XLPE X-90
Bedding:	PVC 5V-90
Screen:	Copper Tape
Sheath:	PVC 5V-90

Core identification

Red, White, Blue, Green/Yellow

Sheath Colour

Black

Technical Data

Voltage Rating:	0.6/1kV
Operating Temperature:	-40°C to +90°C
Short Circuit Temperature :	250°C for 5 sec

Standards Compliance

AS/NZS 5000.1	AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)
AS/NZS 3808	AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24)
AS/NZS 1125	

Characteristics



The information in this specification is to be used as a guide only.

Multicore XLPE Insulated VSD/EMC Cables 0.6/1kV, Cu, Screened

Physical Characteristics

Number Of Cores	Conductor	Conductor	Insulation	Each Earth	Approx.	Min.Bending Radius(mm)		Approx.
	Size	Diameter	Thickness	Conductor Size	Overall	During	After	Weight
	(mm ²)	(mm)	(mm)	(mm ²)	Diameter (mm)	Installation	Installation	(kg/km)
3C+E	1.5	1.56	0.7	1.5	13.0	246	164	256
	2.5	2.01	0.7	2.5	14.1	266	178	324
	4	2.55	0.7	2.5	15.0	284	189	388
	6	3.12	0.7	2.5	16.1	304	203	471
3C+3E	10	4.05	0.7	1.5	18.3	346	231	633
	16	5.10	0.7	2.5	20.7	391	261	875
	25	6.75	0.9	4	24.6	465	310	1238
	35	7.65	0.9	6	26.8	507	338	1626
	50	8.90	1.0	10	30.6	578	386	2276
	70	10.70	1.1	10	34.2	646	431	2948
	95	12.60	1.1	16	39.0	737	491	3896
	120	14.21	1.2	16	41.9	792	528	4726
	150	15.75	1.4	25	48.7	920	614	6039
	185	17.64	1.6	25	52.4	990	660	7164
	240	20.25	1.7	35	58.8	1111	741	9244
	300	22.68	1.8	50	65.3	1234	823	11547

Electrical Characteristics

Conductor Size (mm ²)	*Current-carrying capacity (A)				Maximum D.C.	Reactance
	in Air		in Ground		Resistance Of Conductor at 20°C (Ω/km)	at 50Hz (Ω/km)
	Touching	Enclosed	Enclose	Enclose		
1.5	19	16	20	20	13.6	0.1070
2.5	26	24	29	29	7.41	0.0988
4	35	30	37	37	4.61	0.0930
6	45	38	46	46	3.08	0.0887
10	62	53	63	63	1.83	0.0840
16	83	68	110	81	1.15	0.0805
25	111	91	143	107	0.727	0.0808
35	137	114	172	130	0.524	0.0786
50	168	136	204	155	0.387	0.0751
70	213	173	251	193	0.368	0.0741
95	263	209	302	233	0.193	0.0723
120	306	246	344	270	0.153	0.0713
150	350	277	385	304	0.124	0.0718
185	404	322	435	348	0.0991	0.0722
240	479	386	504	411	0.0754	0.0709
300	549	—	567	463	0.0601	0.0704