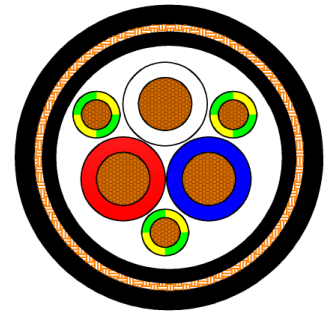
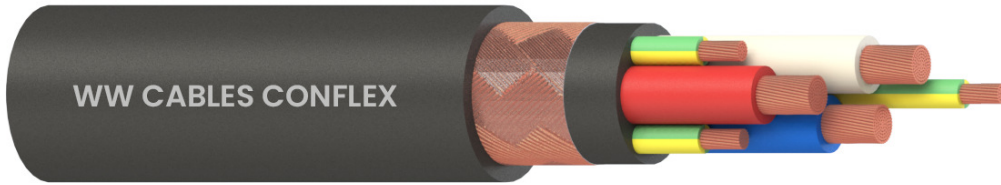




Multicore XLPE Insulated VSD/EMC Cables 0.6/1kV, Flexible Cu, Screened



Note: The above drawing is for representation purpose only.

Description

Conductor:	Class 5 Flexible Plain Annealed Copper
No. of cores:	1.5mm ² ~ 6mm ² : 3C+E, 10mm ² ~ 70mm ² : 3C+3E
Insulation:	XLPE X-90
Bedding:	TPE
Screen:	Plain Copper Braid
Sheath:	TPE

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	

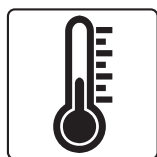
Characteristics



FLAME RETARDANT



UV STABILISED



-40°C ~ +90°C



FLEXIBLE

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.





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

Physical & Electrical Characteristics

WWC Product Code	Number of cores	Conductor Size (mm ²)	Conductor Diameter (mm)	Insulation Thickness (mm)	Each Earth Conductor Size (mm ²)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
							During Installation	After Installation	
*SM9401XT	3C+E	1.5	1.55	0.7	1.5	13.5	119	89	275
*SM9402XT		2.5	1.97	0.7	2.5	14.4	127	95	335
*SM9404XT		4	2.54	0.7	2.5	15.4	136	102	400
*SM9406XT		6	3.09	0.7	2.5	16.4	144	108	484
*SM9410XT	3C+3E	10	4.36	0.7	1.5	20.0	176	132	756
*SM9416XT		16	5.44	0.7	2.5	22.0	194	145	1015
*SM9425XT		25	6.88	0.9	4	25.5	224	168	1417
*SM9435XT		35	8.59	0.9	6	28.8	253	190	1856
*SM9450XT		50	10.38	1.0	10	34.3	302	226	2625
*SM9470XT		70	11.68	1.1	10	37.3	328	246	3335

© World Wire Cables (Aust) Pty Ltd. All Rights Reserved.

*These cables are non-stocked items subject to lead times.

Conductor Size (mm ²)	†Current-carrying capacity (A)				Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Reactance at 50Hz (Ω/km)
	In Air Touching	In Air Enclosed	In Ground	In Ground Enclosed		
1.5	19	17	20	21	13.3	0.105
2.5	26	23	29	28	7.98	0.0977
4	34	29	37	36	4.95	0.0911
6	43	37	46	45	3.30	0.0871
10	61	52	63	62	1.91	0.0810
16	81	67	110	79	1.21	0.0779
25	108	89	143	103	0.780	0.0783
35	135	111	172	127	0.554	0.0761
50	170	136	204	155	0.386	0.0754
70	214	173	251	193	0.272	0.0744

†Based on ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W.

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.

