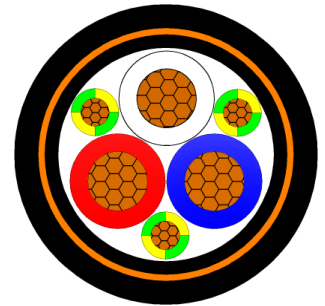
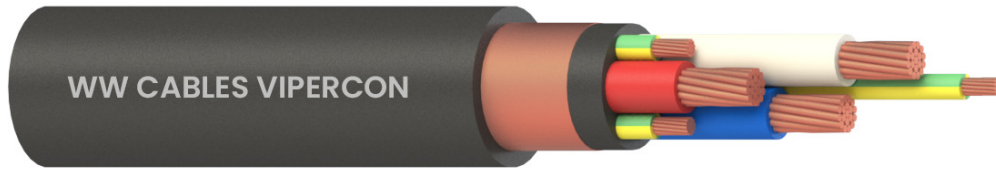




## Multicore XLPE Insulated VSD/EMC Cables 0.6/1kV, Cu, Screened



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Note: The above drawing is for representation purpose only.

### Description

Conductor:	Class 2 Plain Annealed Copper
No. of cores:	1.5mm <sup>2</sup> ~ 6mm <sup>2</sup> : 3C+E, 10mm <sup>2</sup> ~ 300mm <sup>2</sup> : 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

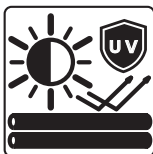
### Standards Compliance

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	

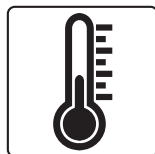
### Characteristics



FLAME RETARDANT



UV STABILISED



-40°C ~ +90°C



GREEN STAR

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

### Physical Characteristics

WWC Product Code	Number of cores	Conductor Size (mm <sup>2</sup> )	Conductor Diameter (mm)	Insulation Thickness (mm)	Each Earth Conductor Size (mm <sup>2</sup> )	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
							During Installation	After Installation	
*SM9401XCTPV-BK	3C+E	1.5	1.56	0.7	1.5	13.0	246	164	256
*SM9402XCTPV-BK		2.5	2.01	0.7	2.5	14.1	266	178	324
*SM9404XCTPV-BK		4	2.55	0.7	2.5	15.0	284	189	388
*SM9406XCTPV-BK		6	3.12	0.7	2.5	16.1	304	203	471
*SM9410XCTPV-BK	3C+3E	10	4.05	0.7	1.5	18.3	346	231	633
*SM9416XCTPV-BK		16	5.10	0.7	2.5	20.7	391	261	875
9425XCTPV		25	6.75	0.9	4	24.6	465	310	1238
9435XCTPV		35	7.65	0.9	6	26.8	507	338	1626
9450XCTPV		50	8.90	1.0	10	30.6	578	386	2276
9470XCTPV		70	10.70	1.1	10	34.2	646	431	2948
9495XCTPV		95	12.60	1.1	16	39.0	737	491	3896
9412XCTPV		120	14.21	1.2	16	41.9	792	528	4726
*SM9415XCTPV-BK		150	15.75	1.4	25	48.7	920	614	6039
9418XCTPV		185	17.64	1.6	25	52.4	990	660	7164
9424XCTPV		240	20.25	1.7	35	58.8	1111	741	9244
*SM9430XCTPV-BK		300	22.68	1.8	50	65.3	1234	823	11547

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

### Electrical Characteristics

Conductor Size (mm <sup>2</sup> )	†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	16	20	20	13.6	0.107
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	0.268	0.0741

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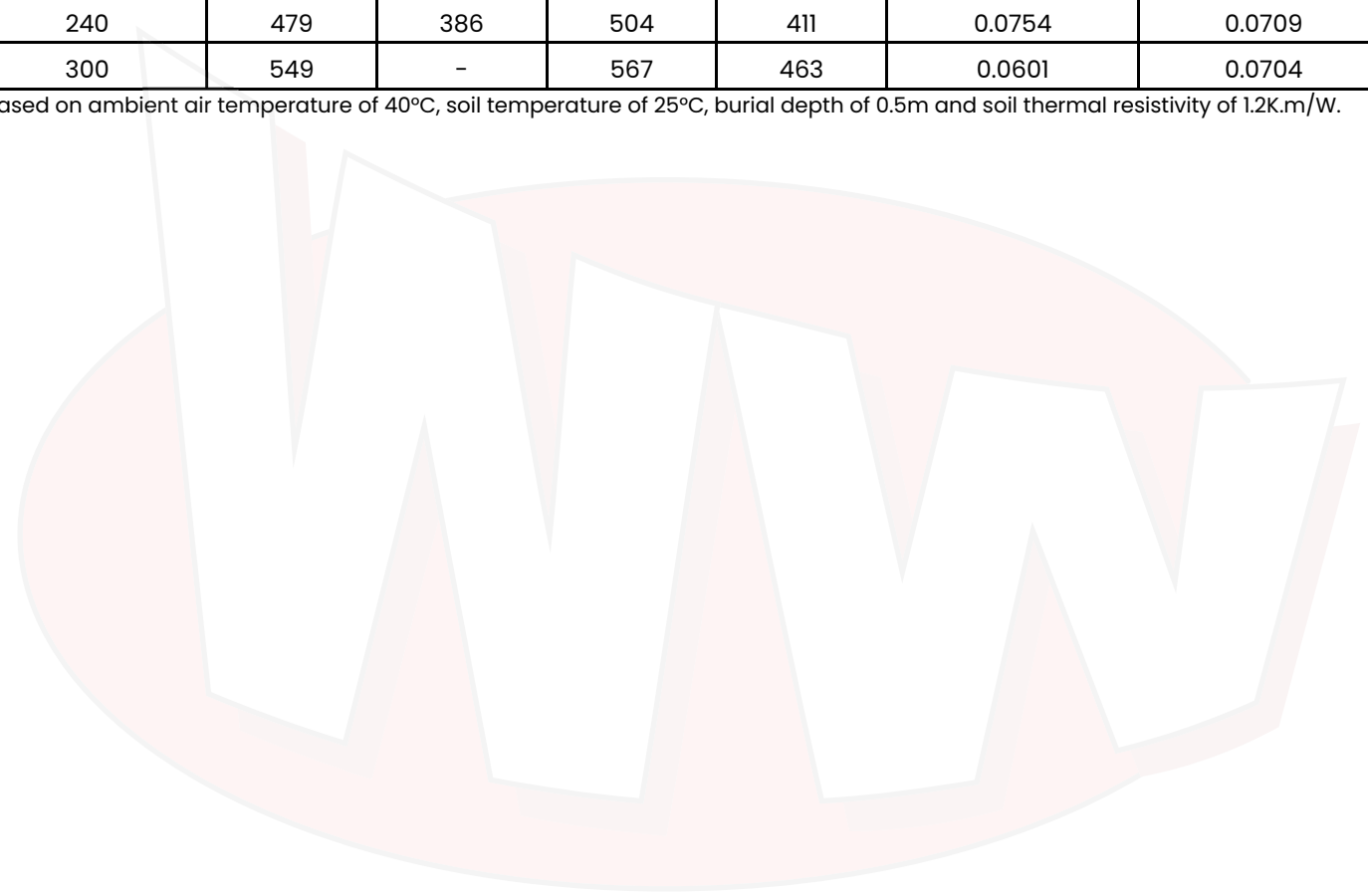
## Multicore XLPE Insulated VSD/EMC Cables 0.6/1kV, Cu, Screened

### Electrical Characteristics

Conductor Size (mm <sup>2</sup> )	+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		
95	263	209	302	233	0.193	0.0725
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	0.0720
240	479	386	504	411	0.0754	0.0709
300	549	-	567	463	0.0601	0.0704

+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.

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