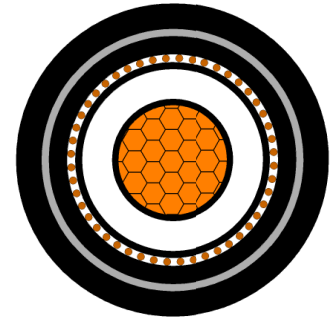




1C XLPE Insulated Medium Voltage Cables 19/33kV, Cu, Anti-termite



Note: The above drawing is for representation purpose only.

Description

Conductor:	Class 2 Plain Annealed Copper
Conductor Screen:	Semi-conductive Compound
Insulation:	XLPE
Insulation Screen:	Semi-conductive Compound
Metallic Screen:	Plain Annealed Copper Wire
Bedding:	PVC 5V-90
Anti-termite Jacket:	Nylon
Sheath:	PVC 5V-90

Core Identification

Natural

Sheath Colour

Black

Technical Data

Voltage Rating:	19/33kV
Operating Temperature:	-25°C to +90°C
Short Circuit Temperature:	250°C for 5 sec

Standards Compliance

AS/NZS 1429.1	AS/NZS 3808
AS/NZS 1125	AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

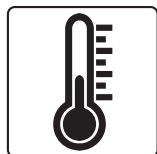
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



TERMITE RESISTANT



GREEN STAR

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1C XLPE Insulated Medium Voltage Cables 19/33kV, Cu, Anti-termite

Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm ²)	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/m)
					During Installation	After Installation	
*SMMV33C7X1C50NY	50	8.30	8.0	37.8	1248	832	2.1
*SMMV33C10X1C70NY	70	9.95	8.0	39.5	1305	870	2.6
*SMMV33C10X1C95NY	95	11.60	8.0	41.3	1362	908	2.9
*SMMV33C10X1C120NY	120	13.03	8.0	42.7	1410	940	3.3
*SMMV33C10X1C150NY	150	14.57	8.0	44.9	1482	988	3.6
*SMMV33C10X1C185NY	185	16.18	8.0	46.7	1542	1028	4.1
*SMMV33C10X1C240NY	240	18.43	8.0	48.9	1614	1076	4.8
*SMMV33C10X1C300NY	300	20.61	8.0	51.3	1662	1108	5.6
*SMMV33C10X1C400NY	400	23.79	8.0	55.1	1785	1190	6.7
*SMMV33C10X1C500NY	500	27.20	8.0	58.9	1908	1272	7.8
*SMMV33C10X1C630NY	630	30.60	8.0	62.5	2025	1350	9.0

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

Cond. Size (mm ²)	Max. D.C. Resistance of cond. at 20°C (Ω/km)	A.C. Resistance of cond. at 90°C, 50Hz (Ω/km)	Operating Induct. (mH/km)	Mutual Capa. (μF/km)	Fault Current Rating (kA/s)		*Current-carrying capacity (A)			
					Cond.	Screen	In Air Touching	In Air Enclosed	In Ground	In ground Enclosed
50	0.387	0.494	0.522	0.143	7.2	7.2	215	164	210	179
70	0.268	0.342	0.500	0.157	10.0	10.1	267	210	256	220
95	0.193	0.247	0.479	0.171	13.6	10.1	323	246	302	267
120	0.153	0.196	0.461	0.185	17.2	10.1	369	282	343	297
150	0.124	0.159	0.445	0.199	21.5	10.1	415	318	384	333
185	0.0991	0.1276	0.433	0.213	26.5	10.1	477	359	431	374
240	0.0754	0.0979	0.417	0.234	34.3	10.1	559	415	497	431
300	0.0601	0.0789	0.405	0.252	42.9	10.1	636	466	559	482
400	0.0470	0.0629	0.392	0.277	57.2	10.1	728	548	625	564
500	0.0366	0.0505	0.381	0.314	71.5	10.1	814	610	696	618
630	0.0283	0.0404	0.369	0.343	90.1	10.1	928	682	778	681

*Based on ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.8m and soil thermal resistivity of 1.2K.m/W.

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