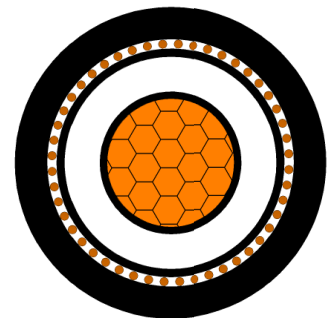




1C XLPE Insulated Medium Voltage Cables 19/33kV, Cu



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
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)

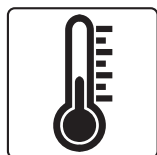
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



GREEN STAR

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

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	
*SMMV33C7X1C50	50	8.30	8.0	34.4	680	454	1.9
*SMMV33C10X1C70	70	9.95	8.0	36.1	715	476	2.4
*SMMV33C10X1C95	95	11.60	8.0	37.9	751	500	2.7
*SMMV33C10X1C120	120	13.03	8.0	39.3	778	518	3.1
*SMMV33C10X1C150	150	14.57	8.0	41.1	814	542	3.4
*SMMV33C10X1C185	185	16.18	8.0	42.7	846	564	3.9
*SMMV33C10X1C240	240	18.43	8.0	45.1	893	595	4.6
*SMMV33C10X1C300	300	20.61	8.0	47.5	941	628	5.3
*SMMV33C10X1C400	400	23.79	8.0	50.9	990	660	6.4
*SMMV33C10X1C500	500	27.20	8.0	54.5	1060	707	7.2
*SMMV33C10X1C630	630	30.60	8.0	58.1	1129	752	8.2

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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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