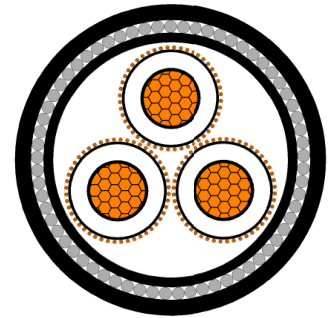




3C XLPE Insulated Medium Voltage Cables 19/33kV, Cu, Armoured



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
Armour:	Galvanised Steel Wire Armour
Sheath:	PVC 5V-90

Core Identification

Red, White, Blue

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)

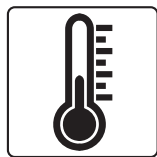
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



GREEN STAR

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3C XLPE Insulated Medium Voltage Cables 19/33kV, Cu, Armoured

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	
*SMMV33C7X3C50A	50	8.30	8.0	80.2	1559	1039	10.5
*SMMV33C10X3C70A	70	9.95	8.0	83.9	1631	1087	12.0
*SMMV33C10X3C95A	95	11.60	8.0	87.7	1705	1136	13.4
*SMMV33C10X3C120A	120	13.03	8.0	91.0	1769	1180	14.7
*SMMV33C10X3C150A	150	14.57	8.0	94.5	1838	1225	16.3
*SMMV33C10X3C185A	185	16.18	8.0	98.8	1921	1280	18.0
*SMMV33C10X3C240A	240	18.43	8.0	103.9	2020	1346	20.7
*SMMV33C10X3C300A	300	20.61	8.0	109.0	2119	1412	23.7
*SMMV33C10X3C400A	400	23.79	8.0	116.2	2259	1506	28.4
*SMMV33C10X3C500A	500	27.20	8.0	124.2	2414	1609	33.2

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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	0.488	0.143	7.2	7.2	210	159	210	174
70	0.268	0.342	0.465	0.157	10.0	10.1	261	205	256	220
95	0.193	0.247	0.444	0.171	13.6	10.1	313	241	308	261
120	0.153	0.196	0.429	0.185	17.2	10.1	359	277	349	297
150	0.124	0.159	0.415	0.200	21.5	10.1	405	313	390	333
185	0.0991	0.1276	0.403	0.213	26.5	10.1	466	354	441	374
240	0.0754	0.0979	0.388	0.234	34.3	10.1	548	410	513	436
300	0.0601	0.0789	0.377	0.252	42.9	10.1	625	466	579	492
400	0.0470	0.0629	0.364	0.277	57.2	10.1	718	554	656	574
500	0.0373	0.0515	0.354	0.314	71.5	10.1	803	620	728	640

*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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