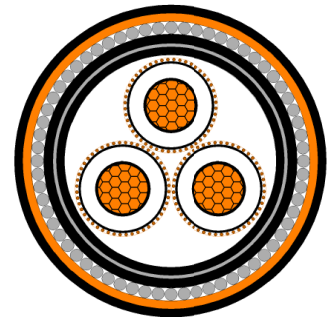




3C XLPE Insulated Medium Voltage Cables 12.7/22kV, Cu, Anti-termite, Armoured, HDPE



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
Separation Sheath:	PVC 5V-90
Armour:	Galvanised Steel Wire Armour
Inner Sheath:	PVC 5V-90
Outer Sheath:	HDPE

Core Identification

Red, White, Blue

Sheath Colour

Black

Technical Data

Voltage Rating:	12.7/22kV
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)

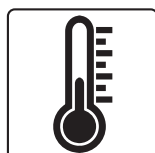
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



TERMITE RESISTANT



GREEN STAR

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3C XLPE Insulated Medium Voltage Cables 12.7/22kV, Cu, Anti-termite, Armoured, HDPE

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	
MV22C5X3C35NAHP	35	7.04	5.5	68.4	2217	1478	7.5
MV22C7X3C50NAHP	50	8.30	5.5	71.1	2304	1536	8.4
MV22C10X3C95NAHP	95	11.60	5.5	80.7	2616	1744	11.8
MV22C10X3C120NAHP	120	13.03	5.5	84.2	2727	1818	13.0
MV22C10X3C185NAHP	185	16.18	5.5	92.2	2988	1992	16.0
MV22C10X3C240NAHP	240	18.43	5.5	97.7	3165	2110	18.4

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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
35	0.524	0.668	0.474	0.166	5.0	5.0	169	128	179	144
50	0.387	0.494	0.451	0.183	7.2	7.2	205	154	210	174
95	0.193	0.247	0.411	0.224	13.6	10.1	308	231	308	251
120	0.153	0.196	0.397	0.243	17.2	10.1	354	261	349	287
185	0.0991	0.1276	0.374	0.284	26.5	10.1	461	349	441	369
240	0.0754	0.0979	0.361	0.313	34.3	10.1	538	405	513	431

⁺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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