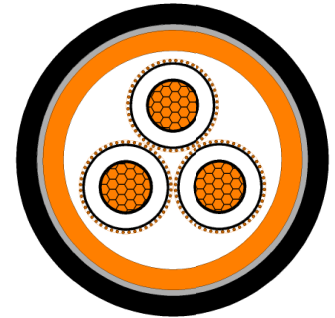




## 3C XLPE Insulated Medium Voltage Cables 12.7/22kV, Cu, Anti-termite, HDPE



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
Inner Sheath:	PVC 5V-90
Anti-termite Jacket:	Nylon
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)

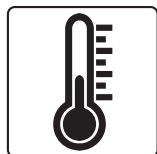
### Characteristics



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, HDPE

### Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm <sup>2</sup> )	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/m)
					During Installation	After Installation	
MV22C5X3C35NHP	35	7.04	5.5	56.0	1815	1210	3.5
MV22C7X3C50NHP	50	8.30	5.5	58.7	1902	1268	4.2
MV22C10X3C95NHP	95	11.60	5.5	66.2	2145	1430	6.1
MV22C10X3C120NHP	120	13.03	5.5	69.7	2259	1506	7.0
MV22C10X3C185NHP	185	16.18	5.5	76.9	2493	1662	9.3
MV22C10X3C240NHP	240	18.43	5.5	82.2	2664	1776	11.2

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Cond. Size (mm <sup>2</sup> )	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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