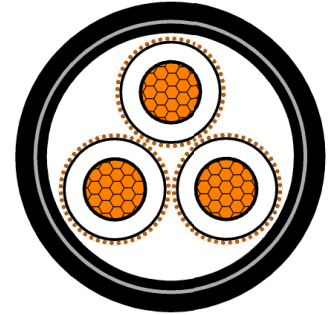




3C XLPE Insulated Medium Voltage Cables 12.7/22kV, Cu, Anti-termite



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

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)

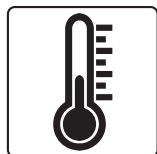
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



TERMITE RESISTANT



GREEN STAR

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.





3C XLPE Insulated Medium Voltage Cables 12.7/22kV, 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	
*SMMV22C5X3C35NY	35	7.04	5.5	59.4	1926	1284	4.1
*SMMV22C7X3C50NY	50	8.30	5.5	62.3	2019	1346	4.9
*SMMV22C10X3C70NY	70	9.95	5.5	66.0	2139	1426	5.8
*SMMV22C10X3C95NY	95	11.60	5.5	69.8	2262	1508	6.8
*SMMV22C10X3C120NY	120	13.03	5.5	73.5	2382	1588	7.8
*SMMV22C10X3C150NY	150	14.57	5.5	77.2	2502	1668	9.0
*SMMV22C10X3C185NY	185	16.18	5.5	80.9	2622	1748	10.2
*SMMV22C10X3C240NY	240	18.43	5.5	86.2	2793	1862	12.2
*SMMV22C10X3C300NY	300	20.61	5.5	91.1	2952	1968	14.3
*SMMV22C10X3C400NY	400	23.79	5.5	98.9	3204	2136	17.7
*SMMV22C10X3C500NY	500	27.20	5.5	106.7	3456	2304	21.2

© World Wire Cables (Aust) Pty Ltd. All Rights Reserved.

*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
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
70	0.268	0.342	0.429	0.203	10.0	10.1	256	190	256	210
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
150	0.124	0.159	0.384	0.264	21.5	10.1	400	308	390	328
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
300	0.0601	0.0789	0.351	0.339	42.9	10.1	615	461	574	487
400	0.0470	0.0629	0.340	0.375	57.2	10.1	712	528	651	554
500	0.0373	0.0515	0.332	0.428	71.5	10.1	794	610	720	632

*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.

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.

