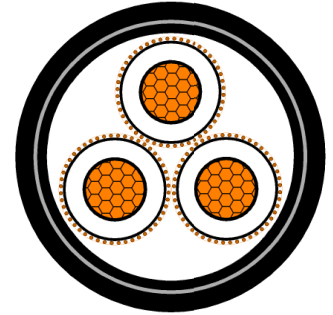




3C XLPE Insulated Medium Voltage Cables 6.35/11kV, Cu, Anti-termite



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:	6.35/11kV
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)

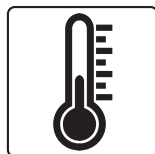
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



TERMITE RESISTANT



GREEN STAR

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3C XLPE Insulated Medium Voltage Cables 6.35/11kV, 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	
*SMMV11C3X3C25NY	25	5.95	3.4	46.7	1542	1028	2.7
*SMMV11C5X3C35NY	35	7.04	3.4	49.1	1620	1080	3.2
*SMMV11C7X3C50NY	50	8.30	3.4	52.0	1686	1124	3.9
*SMMV11C10X3C70NY	70	9.95	3.4	56.4	1827	1218	4.9
*SMMV11C10X3C95NY	95	11.60	3.4	60.1	1947	1298	5.8
*SMMV11C10X3C120NY	120	13.03	3.4	63.4	2055	1370	6.8
*SMMV11C10X3C150NY	150	14.57	3.4	66.9	2169	1446	7.8
*SMMV11C10X3C185NY	185	16.18	3.4	71.2	2307	1538	9.0
*SMMV11C10X3C240NY	240	18.43	3.4	76.3	2472	1648	11.0
*SMMV11C10X3C300NY	300	20.61	3.4	81.4	2637	1758	13.0
*SMMV11C10X3C400NY	400	23.79	3.4	88.7	2874	1916	16.2
*SMMV11C10X3C500NY	500	27.20	3.4	97.0	3144	2096	19.6

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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
25	0.727	0.927	0.453	0.213	3.6	3.6	139	103	149	118
35	0.524	0.668	0.434	0.234	5.0	5.0	164	123	179	138
50	0.387	0.494	0.413	0.261	7.2	7.2	200	149	210	164
70	0.268	0.342	0.394	0.293	10.0	10.1	246	185	256	205
95	0.193	0.247	0.378	0.326	13.6	10.1	302	226	308	246
120	0.153	0.196	0.366	0.357	17.2	10.1	349	256	349	282
150	0.124	0.159	0.355	0.390	21.5	10.1	395	292	390	318
185	0.0991	0.1276	0.346	0.421	26.5	10.1	451	328	441	359
240	0.0754	0.0979	0.335	0.468	34.3	10.1	533	400	507	425
300	0.0601	0.0789	0.327	0.511	42.9	10.1	610	451	574	482
400	0.0470	0.0629	0.318	0.568	57.2	10.1	702	518	651	548
500	0.0373	0.0515	0.312	0.654	71.5	10.1	788	580	717	604

+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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