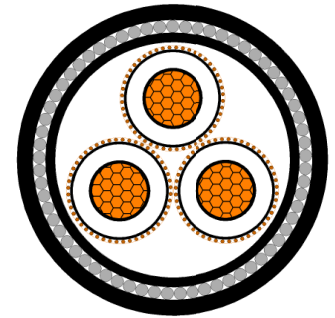




3C XLPE Insulated Medium Voltage Cables 6.35/11kV, Cu, Armoured



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:	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)

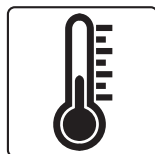
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



GREEN STAR

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3C XLPE Insulated Medium Voltage Cables 6.35/11kV, 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	
*SMMV11C3X3C25A	25	5.95	3.4	51.1	994	662	4.2
*SMMV11C5X3C35A	35	7.04	3.4	53.7	1044	696	5.4
*SMMV11C7X3C50A	50	8.30	3.4	56.6	1100	733	6.2
*SMMV11C10X3C70A	70	9.95	3.4	60.8	1183	788	7.3
*SMMV11C10X3C95A	95	11.60	3.4	64.5	1255	836	8.8
*SMMV11C10X3C120A	120	13.03	3.4	68.0	1321	881	10.0
*SMMV11C10X3C150A	150	14.57	3.4	71.5	1390	926	11.2
*SMMV11C10X3C185A	185	16.18	3.4	77.1	1499	1000	12.8
*SMMV11C10X3C240A	240	18.43	3.4	82.2	1598	1066	16.3
*SMMV11C10X3C300A	300	20.61	3.4	87.3	1697	1132	19.0
*SMMV11C10X3C400A	400	23.79	3.4	94.6	1840	1226	22.8
*SMMV11C10X3C500A	500	27.20	3.4	102.9	2000	1333	26.8

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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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