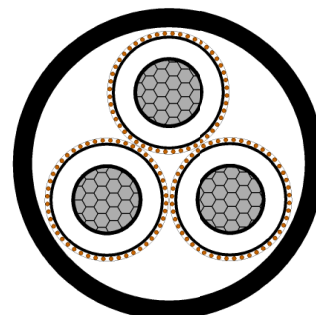




3C XLPE Insulated Medium Voltage Cables 6.35/11kV, AL



Note: The above drawing is for representation purpose only.

Description

Conductor:

Conductor Screen:

Insulation:

Insulation Screen:

Metallic Screen:

Sheath:

Class 2 Aluminium

Semi-conductive Compound

XLPE

Semi-conductive Compound

Plain Annealed Copper Wire

PVC 5V-90

Core Identification

Red, White, Blue

Sheath Colour

Black

Technical Data

Voltage Rating:

Operating Temperature:

Short Circuit Temperature:

6.35/11kV

-25°C to +90°C

250°C for 5 sec

Standards Compliance

AS/NZS 1429.1

AS/NZS 1125

AS/NZS 3808

AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

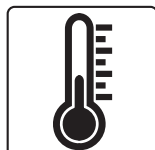
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



GREEN STAR

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

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	
*SMMV11A2X3C25	25	5.95	3.4	41.9	830	553	1.5
*SMMV11A3X3C35	35	7.04	3.4	45.3	896	598	1.8
*SMMV11A4X3C50	50	8.30	3.4	48.2	954	636	2.2
*SMMV11A6X3C70	70	9.95	3.4	52.0	1012	674	2.6
*SMMV11A9X3C95	95	11.60	3.4	55.9	1087	725	3.3
*SMMV11A10X3C120	120	13.03	3.4	59.2	1150	767	3.7
*SMMV11A10X3C150	150	14.57	3.4	62.7	1219	812	4.1
*SMMV11A10X3C185	185	16.18	3.4	66.4	1291	860	4.6
*SMMV11A10X3C240	240	18.43	3.4	71.7	1393	929	5.4
*SMMV11A10X3C300	300	20.61	3.4	76.6	1489	992	6.3
*SMMV11A10X3C400	400	23.79	3.4	84.1	1634	1090	7.6
*SMMV11A10X3C500	500	27.20	3.4	91.8	1784	1189	8.8

*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	1.20	1.54	0.453	0.213	2.4	2.4	108	80	116	90
35	0.868	1.113	0.434	0.234	3.3	3.3	128	95	138	108
50	0.641	0.822	0.413	0.261	4.7	4.7	154	113	164	128
70	0.443	0.568	0.394	0.293	6.6	6.8	190	144	200	159
95	0.320	0.411	0.378	0.326	9.0	9.0	236	169	236	190
120	0.253	0.325	0.366	0.357	11.3	10.1	272	200	272	220
150	0.206	0.265	0.355	0.390	14.2	10.1	308	226	302	246
185	0.164	0.211	0.346	0.421	17.5	10.1	349	256	343	277
240	0.125	0.161	0.335	0.468	22.7	10.1	415	297	395	323
300	0.100	0.130	0.327	0.511	28.3	10.1	472	354	446	374
400	0.0778	0.1016	0.318	0.568	37.8	10.1	554	405	513	431
500	0.0617	0.0816	0.312	0.654	47.3	10.1	630	465	572	481

*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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