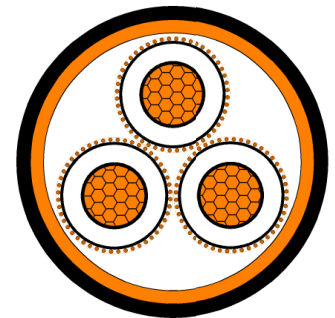




## 3C XLPE Insulated Medium Voltage Cables 6.35/11kV, Cu, HDPE



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
Sheath:	Inner Layer PVC 5V-90 Outer Layer HDPE

### 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)

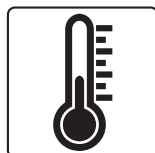
### Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



GREEN STAR

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## 3C XLPE Insulated Medium Voltage Cables 6.35/11kV, Cu, 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	
*SMMV11C3X3C25HP	25	5.95	3.4	42.9	1180	708	1.8
*SMMV11C5X3C35HP	35	7.04	3.4	45.3	1245	747	2.5
*SMMV11C7X3C50HP	50	8.30	3.4	48.4	1330	798	3.0
*SMMV11C10X3C70HP	70	9.95	3.4	52.0	1405	843	4.1
*SMMV11C10X3C95HP	95	11.60	3.4	55.9	1510	906	5.0
*SMMV11C10X3C120HP	120	13.03	3.4	59.0	1593	956	6.1
*SMMV11C10X3C150HP	150	14.57	3.4	62.7	1693	1016	7.0
*SMMV11C10X3C185HP	185	16.18	3.4	66.6	1798	1079	8.4
*SMMV11C10X3C240HP	240	18.43	3.4	71.5	1930	1158	10.4
*SMMV11C10X3C300HP	300	20.61	3.4	76.6	2068	1241	12.6
*SMMV11C10X3C400HP	400	23.79	3.4	83.9	2265	1359	15.8
*SMMV11C10X3C500HP	500	27.20	3.4	92.0	2485	1491	19.9

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\*These cables are non-stocked items subject to lead times.

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
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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