

11kV Medium Voltage Cables

Application:	Underground Distribution Cable
Conductor:	Compacted Stranded Annealed
Cond. Scr.:	Extruded Semi-Conductive
Insulation:	X-90 XLPE
Insulation Material:	Extruded Semi-Conductive
Metallic Conductor	
Screen Material:	Copper Wire Screen
Sheath:	5V-90 PVC
Sheath Colour:	Black
Operating Temp.:	90°C
Voltage Rating:	6.35/11kV
Short Circuit Temp.:	250°C for 5 Seconds
Typical Markings:	"ELECTRA CABLES 2022 X-90 ELECTRIC CABLES 11KV3950-10.1 XLPE 6.35/*11kV 3 x 95mm ² UV RoHS"
Standards:	AS/NZS 1429.1, AS/NZS 1125 – Class 2 / IEC60288, AS/NZS 3808, AS/NZS 1670
Greenstar:	Approved
Other Availabilities:	Nylon & HDPE Sheath, SWA & Aluminium Conductors

11kV Single Core Cu

ELECTRA Part Number	SIZE	CONDUCTOR Diameter	INSULATION Thickness	SHEATH Thcikness	MAX. PULL Tension kN	MIN. BEND RADIUS		O.D.
						During Pulling	Set Position	
11KV1C25XLPE	25	6.0	3.4	1.8	1.8	380	250	22.3
11KV1C35XLPE	35	7.0	3.4	1.8	2.5	420	280	24.3
11KV1C50XLPE	50	8.1	3.4	1.8	3.5	440	290	25.4
11KV1C70XLPE	70	9.7	3.4	1.8	4.9	480	320	27.7
11KV1C95XLPE	95	11.4	3.4	1.8	6.7	500	330	28.7
11KV1C120XLPE	120	12.9	3.4	1.9	8.4	530	350	30.4
11KV1C150XLPE	150	14.5	3.4	1.9	11.0	560	370	32.0
11KV1C185XLPE	185	16.1	3.4	2.0	13.0	590	390	33.8
11KV1C240XLPE	240	18.4	3.4	2.0	17.0	640	420	36.1
11KV1C300XLPE	300	20.4	3.4	2.1	21.0	680	450	38.3
11KV1C400XLPE	400	23.2	3.4	2.2	28.0	740	490	41.3
11KV1C500XLPE	500	26.3	3.4	2.3	35.0	800	530	44.6

**Size = mm², O.D. ± 10%, Conductor Diameter, Insulation Thickness, Sheath Thickness, O.D. = mm.*

**Copper Conductors, up to 10kA Fault Level. Conductor Screen Thickness = 0.8mm*

11kV 3 x Core Cu

ELECTRA Part Number	SIZE	CONDUCTOR Diameter	INSULATION Thickness	SHEATH Thcikness	MAX. PULL Tension	MIN. BEND RADIUS		O.D.
						During Pulling	Set Position	
11KV3C35XLPE	35	7.0	3.4	2.4	7.4	800.00	540	46.2
11KV3C50XLPE	50	8.1	3.4	2.5	11.0	850.00	570	48.5
11KV3C70XLPE	70	9.7	3.4	2.6	15.0	920.00	610	52.0
11KV3C95XLPE	95	11.4	3.4	2.7	20.0	1000.00	660	55.7
11KV3C120XLPE	120	12.9	3.4	2.8	25.0	1060.00	710	58.9
11KV3C150XLPE	150	14.5	3.4	2.9	32.0	1120.00	750	62.4
11KV3C185XLPE	185	16.1	3.4	3.1	39.0	1190.00	790	65.8
11KV3C240XLPE	240	18.4	3.4	3.2	50.0	1290.00	860	70.8

**Size = mm², O.D. ± 10%, Conductor Diameter, Insulation Thickness, Sheath Thickness, O.D. = mm.*

**Copper Conductors, up to 10kA Fault Level. Conductor Screen Thickness = 0.8mm*

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