



• Application

These medium voltage power cables are designed for use in power networks, making them suitable for underground installations and cable ducting. They are also suitable for direct burial applications, providing versatile solutions for power transmission and distribution projects.

• Performance

Voltage rating $U_0/U(M)$: 6.35/11kV
 Mechanical performance (minimum bending Radius):
 Unarmoured cable: 10 x overall diameter
 Armoured cable: 20 x overall diameter
 Thermal performance:
 Maximum operating temperature: 90°C
 Maximum short-circuit temperature: 160°C (Max. 5s)
 Minimum service temperature: -40°C
 Fire performance:
 Flame retardant according to IEC/EN 60332-1-2 standard
 Reduced emission of halogens chlorine <15%
 Chemical & Oil resistance: Good

• Construction

Conductor: Circular stranded, compacted copper conductor or aluminum conductor, class 2
 Conductor Screen: Semi-conductive compound
 Insulation: XLPE (Cross-linked polyethylene)
 Insulation Screen: Semi-conductive compound
 Water Blocking Layer: Semi-conductive water-blocking tape
 Metallic Screen: Copper wire
 Filler (only for multi-core cable): Non-hygroscopic
 Binding Tape: Non-woven fabric
 Separation Sheath (for armoured cables): PVC (Polyvinyl chloride)
 Armour:
 Single-core conductor: AWA (Aluminum Wire Armoring)
 Three-core conductor: SWA (Steel Wire Armoring)
 Outer Sheath Options:
 PVC (Polyvinyl chloride)
 PE (Polyethylene)
 LSZH (Low Smoke Zero Halogen)

• Specification

-AS/NZS 1429.1 XLPE Insulated MV 6.35/11kV Power Cables

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

6.35/11kV Single Core XLPE Insulated, Screened & PVC Sheathed							
Nominal Cross Section Area of Conductor	Nominal Dia. of Conductor		Nominal Insulation Thickness	Nominal Insulation Overall Dia.		Nominal Screen Area on Each Core	
	Cu.	Al.		Cu.	Al.	Cu.	Al.
mm ²	mm		mm ²	mm		mm ²	
16	4.8	-	3.4	12.8	-	15.9	-
25	5.8	-	3.4	13.8	-	24.4	-
35	6.8	6.9	3.4	14.8	14.9	34.4	22.7
50	8	8.1	3.4	16	16	48.7	32.9
70	9.6	9.6	3.4	17.6	17.6	68.1	45.8
95	11.5	11.4	3.4	19.4	19.3	68.7	61.5
120	13.1	12.8	3.4	21	20.7	68.7	68.7
150	14.5	14.2	3.4	22.4	22.1	68.7	68.7
185	16.1	15.7	3.4	24.1	23.6	68.7	68.7
240	18.5	18	3.4	26.5	25.9	68.7	68.7
300	20.7	20.1	3.4	28.9	28.3	68.7	68.7
400	23.6	23	3.4	31.8	31.1	68.7	68.7
500	26.5	26.5	3.4	34.7	34.7	68.7	68.7
630	29.9	29.9	3.4	38.4	38.4	68.7	68.7
800	35.9	34.2	3.4	44.5	42.8	68.7	68.7
No. and Nominal Dia. of Screen Wires		Nominal Dia. over Wire Screen		Nominal Overall Dia.		Approx. Weight	
Cu.	Al.	Cu.	Al.	Cu.	Al.	Cu.	Al.
No./mm		mm		mm		kg/km	
28/0.85	-	16.1	-	20.2	-	590	-
43/0.85	-	17.1	-	21.2	-	780	-
24/1.35	40/0.85	19.1	18.2	23.2	22.3	990	660
34/1.35	23/1.35	20.3	20.3	24.4	24.4	1250	820
30/1.70	32/1.35	22.6	21.9	26.9	26	1650	1050
48/1.35	43/1.35	23.7	23.6	27.9	27.7	1950	1300
48/1.35	48/1.35	25.3	25	29.4	29.1	2250	1450
48/1.35	48/1.35	26.7	26.4	31.1	30.7	2550	1550
48/1.35	48/1.35	28.4	27.9	32.7	32.2	2850	1700
48/1.35	48/1.35	30.8	30.2	35.3	34.7	3450	1900
48/1.35	48/1.35	33.2	32.6	37.9	37.3	4100	2150
48/1.35	48/1.35	36.3	35.6	41.2	40.5	5050	2500
48/1.35	48/1.35	39.2	39.2	44.3	44.3	6050	2950
48/1.35	48/1.35	42.9	42.9	48.7	48.4	7300	3450
48/1.35	48/1.35	49	47.3	55	53	9250	4050

● Technical Parameters

6.35/11kV Three Core XLPE Insulated, Screened & PVC Sheathed							
Nominal Cross Section Area of Conductor	Nominal Dia. of Conductor		Nominal Insulation Thickness	Nominal Insulation Overall Dia.		Nominal Screen Area on Each Core	
	Cu.	Al.		Cu.	Al.	Cu.	Al.
mm ²	mm		mm ²	mm		mm ²	
16	4.8	-	3.4	12.8	-	17	-
25	5.8	-	3.4	13.8	-	25.5	-
35	6.8	6.9	3.4	14.8	14.9	34	23.8
50	8	8.1	3.4	16	16	49.4	32.3
70	9.6	9.6	3.4	17.6	17.6	68.1	46
95	11.5	11.4	3.4	19.4	19.3	68.1	61.3
120	13.1	12.8	3.4	21	20.7	68.1	68.1
150	14.5	14.2	3.4	22.4	22.1	68.1	68.1
185	16.1	15.7	3.4	24.1	23.6	68.1	68.1
240	18.5	18	3.4	26.5	25.9	68.1	68.1
300	20.7	20.1	3.4	28.9	28.3	68.1	68.1
400	23.6	23	3.4	31.8	31.1	68.1	68.1
500	26.5	26.5	3.4	34.7	34.7	68.1	68.1
630	29.9	29.9	3.4	38.4	38.4	68.7	68.7
800	35.9	34.2	3.4	44.5	42.8	68.7	68.7
No. and Nominal Dia. of Screen Wires		Nominal Dia. over Wire Screen		Nominal Overall Dia.		Approx. Weight	
Cu.	Al.	Cu.	Al.	Cu.	Al.	Cu.	Al.
No./mm	mm		mm		kg/km		
10/0.85	-	16.1	-	40	-	1500	-
15/0.85	-	17.1	-	42.3	-	1950	-
20/0.85	14/0.85	18.1	18.2	44.7	44.6	2400	1650
29/0.85	19/0.85	19.3	19.3	47.4	47.5	2950	1950
40/0.85	27/0.85	20.9	20.9	51	51.1	3900	2450
40/0.85	36/0.85	22.7	22.6	55.3	55	4800	2950
40/0.85	40/0.85	24.3	24	58.9	58.2	5750	3400
40/0.85	40/0.85	25.7	25.4	62.3	61.5	6650	3750
40/0.85	40/0.85	27.4	26.9	66	64.9	7700	4200
40/0.85	40/0.85	29.8	29.2	71.6	70.3	9650	4900
40/0.85	40/0.85	32.2	31.6	76.9	75.5	11600	5700
40/0.85	40/0.85	35.3	34.6	84.2	82.8	14600	6900
40/0.85	40/0.85	38.2	38.2	90.9	90.9	17900	8450
48/1.35	48/1.35	42.9	42.9	48.7	48.4	7300	3450
48/1.35	48/1.35	49	47.3	55	53	9250	4050

● Technical Parameters

6.35/11kV Three Core XLPE Insulted, Screened PVC/SWA/PVC Sheathed											
Nominal Cross Section Area of Conductor	Nominal Dia. of Conductor		Nominal Insulation Thickness	Nominal Dia. Over Insulation		Nominal Screen Area on Each Core		No. and Nominal Dia. of Screen Wires		Nominal Dia. over Wire Screen	
	Cu.	Al.		Cu.	Al.	Cu.	Al.	Cu.	Al.	Cu.	Al.
mm ²	mm		mm	mm		mm ²		No./mm		mm	
16	4.8	-	3.4	12.8	-	17	-	10/0.85	-	16.1	-
25	5.8	-	3.4	13.8	-	25.5	-	15/0.85	-	17.1	-
35	6.8	6.9	3.4	14.8	14.9	34	23.8	20/0.85	14/0.85	18.1	18.2
50	8	8.1	3.4	16	16	49.4	32.3	29/0.85	19/0.85	19.3	19.3
70	9.6	9.6	3.4	17.6	17.6	68.1	46	40/0.85	27/0.85	20.9	20.9
95	11.5	11.4	3.4	19.4	19.3	68.1	61.3	40/0.85	36/0.85	22.7	22.6
120	13.1	12.8	3.4	21	20.7	68.1	68.1	40/0.85	40/0.85	24.3	24
150	14.5	14.2	3.4	22.4	22.1	68.1	68.1	40/0.85	40/0.85	25.7	25.4
185	16.1	15.7	3.4	24.1	23.6	68.1	68.1	40/0.85	40/0.85	27.4	26.9
240	18.5	18	3.4	26.5	25.9	68.1	68.1	40/0.85	40/0.85	29.8	29.2
300	20.7	20.1	3.4	28.9	28.3	68.1	68.1	40/0.85	40/0.85	32.2	31.6
400	23.6	23	3.4	31.8	31.1	68.1	68.1	40/0.85	40/0.85	35.3	34.6
500	26.5	26.5	3.4	34.7	34.7	68.1	68.1	40/0.85	40/0.85	38.2	38.2
Nominal Dia. Armour Bedding		No. and Nominal Dia. of Screen Wires		Nominal Dia. over Wire Screen		Nominal Overall Dia.		Approx. Weight			
Cu.	Al.	Cu.	Al.	Cu.	Al.	Cu.	Al.	Cu.	Al.		
mm		mm		mm		mm		kg/km			
37.9	-	2	-	41.9	-	46.9	-	3300	-		
40.2	-	2.5	-	45.2	-	50.4	-	4300	-		
42.6	42.6	2.5	2.5	47.6	47.6	53	53	4900	4150		
45.1	45.2	2.5	2.5	50.1	50.2	55.7	55.8	5650	4600		
48.8	48.9	2.5	2.5	53.8	53.9	59.6	59.7	6800	5300		
53	52.8	2.5	2.5	58	57.8	64.1	63.8	7950	6100		
56.4	55.8	2.5	2.5	61.4	60.8	67.9	67.2	9100	6750		
59.9	59	2.5	2.5	64.9	64	71.5	70.7	10200	7300		
63.3	62.3	2.5	2.5	68.3	67.3	75.2	74.1	11500	8000		
68.8	67.4	3.2	3.15	75.1	73.7	82.3	81	14700	9900		
74.1	72.6	3.2	3.15	80.4	78.9	88	86.6	17100	11100		
81.2	79.8	3.2	3.15	87.5	86.1	95.5	94.1	20700	12900		
87.6	87.6	3.2	3.15	93.9	93.9	102.4	102.4	24500	15000		