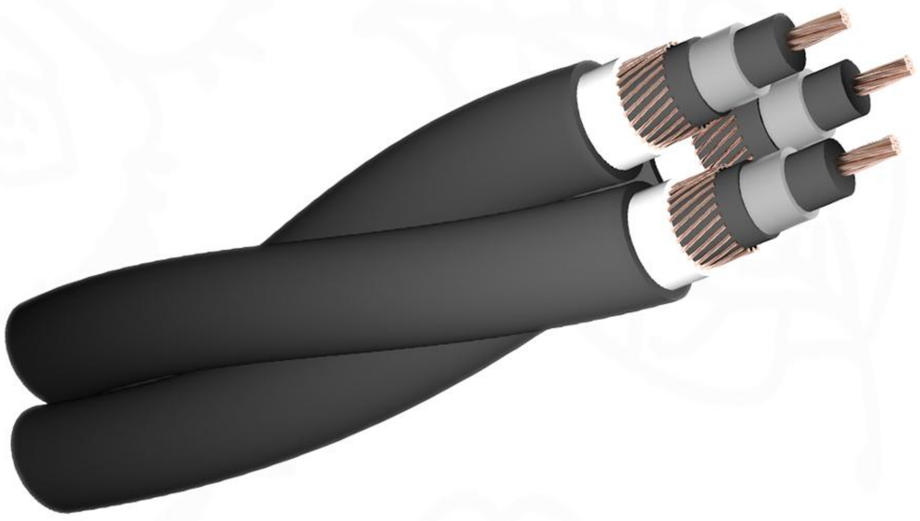

Al 6.35/11 kV – Three Core Triplex Light Duty Screened Unarmoured MV CABLE

APPLICATION:

Triplex cables are mainly used in medium-voltage power distribution, either overhead or underground. They carry power from substations to industrial sites, commercial buildings or homes, and their compact 3-conductor design helps save space and ensure reliable power supply at the stated voltage.

CABLE STRUCTURE:

Conductor:

Stranded compacted conductor(aluminum)

Semi-conductive conductor screen:

Extruded cross-linked compound

Insulation:

XLPE

Semi-conductive insulation screen:

Extruded hand strippable semi-conductive cross-linked compound

Metallic screen:

Copper wire screen
(nominal 3kA for 1 second)

Waterproof layer:

Water blocking taped

Outer sheath:

HDPE

CERTIFICATES:

We hold SAA certifications for our product categories. Additionally, we possess authoritative certifications recognized in other countries and regions.

STANDARDS:

Product:

AS/NZS 1429.1
Electric cables - Polymeric insulated
For working voltages 1.9/3.3 (3.6) kV up to and including 19/33 (36) kV

Conductor:

AS/NZS 1125
Conductors in insulated electric cables and flexible cords

Insulation & Sheath:

AS/NZS 3808
Insulating and sheathing materials for electric cables

TECHNICAL DATA:

Rated volatge:

6.35/11 kV

Temperature range:

Minimum installation temperature: 0°C
Maximum operating temperature: +90°C

Fault level:

Up to 3kA for 1 sec

Bending radius:

Installed cables:
15D (HDPE)
During installation:
25D (HDPE)

Email: tianhuan@thcable.com Phone Number: +86 311 66160316
Office Location: Room 1001, Block A, Gangyue Plaza, Zhongshan East Road,Chang 'an District, Shijiazhuang

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Physical Character Sheet (AL Conductor)

Nominal conductor area	Nominal insulation thickness	Diameter over insulation	Number of screen wires and diameter of screen wires	Nominal over diameter triplex	Approx. weight
mm2	mm	mm	nb x mm ⌀	mm	kg/km
3 × 35	3.4	15	36/0.85	50.9	1750
3 × 50	3.4	16.3	36/0.85	53.7	1950
3 × 70	3.4	17.8	36/0.85	57	2200
3 × 95	3.4	19.4	36/0.85	60.4	2500
3 × 120	3.4	21	36/0.85	64.3	2830
3 × 150	3.4	22.3	36/0.85	67.2	3130
3 × 185	3.4	24.1	36/0.85	71.5	3450
3 × 240	3.4	26.3	36/0.85	76.2	4100
3 × 300	3.4	28.5	36/0.85	81.5	4800

Electrical Data Sheet (AL Conductor)

Nominal conductor area	Max. conductor DC resistance at 20°C	Conductor AC resistance at 50Hz and 90°C	Inductive reactance at 50Hz and 90°C	Min insulation resistance at 20°C	Current rating at core temp. 90°C in ground	Current rating at core temp. 90°C in air
mm2	Ohm/km	Ohm/km	Ohm/km	MOhm/km	A	A
3 × 35	0.868	1.113	0.138	11000	136	131
3 × 50	0.641	0.822	0.13	9500	159	157
3 × 70	0.443	0.568	0.121	8300	194	194
3 × 95	0.32	0.41	0.116	7800	234	237
3 × 120	0.253	0.325	0.113	6800	261	271
3 × 150	0.206	0.265	0.109	6300	292	307
3 × 185	0.164	0.211	0.105	6100	336	355
3 × 240	0.125	0.161	0.101	5400	389	421
3 × 300	0.1	0.13	0.099	4900	438	483