Aluminum Armoured Cable 0,6/1 kV – Maxlink Armoured

Conductor

Phases and Neutral: Formed by aluminum wires alloy 1350, temper H19, stranding class 2, round compact.

Phase Insulation / Neutral

XLPE 90°C – Thermoset compound of cross-linked polythlene with at least 2% carbon black
*Optionally, the neutral conductor can be covered with a semiconductive layer or insulated in XLPE 90°C – Thermoset cross-linked polythylene compound with at least 2% carbon black

Identification

Black cores identified by white printed numbers or colored cores (black, gray and red)
*Other constructions and materials on request

Armoured

Steel tape

Sheath

PE ST7 – Thermoplastic polyethylene compound with at least 2% carbon black

Maximum Operational Temperatures

- 90°C in continuous operation
- 130°C in overload
- 250°C in short-circuit

Application

Used in the public secondary distribution network of low voltage energy, urban or rural, aiming at greater safety, reliability and less aggressive visual effect.

Applicable Standards

- ICEA S-95-658: Standard for Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- NEMA WC-70: Standard for Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- NEMA WC-7: Standard for Cross-Linked-Thermosetting-Polyethylene-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy
- ASTM B230: Standard Specification for Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B231: Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors

Dimensional Datasheet

Number of Phase Conductors	Phase Conductors Size	Neutral Conductors Size	Phase Conductor Diameter	Insulation Thickness	Insulation Diameter	Neutral Conductor Diameter	Steel Tape Thickness	Sheath Thickness	Outer Diameter
-	(AWG/MCM)	(AWG)	(in)	(in)	(in)	(in)	(in)	(in)	(in)
3	6	6	0.184	0.055	0.294	0.184	0.020	0.063	0.887
3	4	4	0.232	0.055	0.342	0.232	0.020	0.063	0.999
3	2	2	0.292	0.063	0.424	0.292	0.020	0.079	1.204
3	1/0	2	0.332	0.063	0.460	0.292	0.020	0.079	1.285
3	2/0	1/0	0.417	0.071	0.561	0.332	0.020	0.083	1.524
3	3/0	1/0	0.470	0.079	0.631	0.332	0.020	0.087	1.667
3	4/0	2/0	0.528	0.079	0.689	0.417	0.020	0.087	1.796
3	300	2/0	0.631	0.098	0.833	0.417	0.020	0.087	2.116