

Aluminum Single Layer Covered Cable 35 kV – Maxlink SC

Conductor

Formed by bare aluminum wires, alloy 1350, temper H19, stranding class 2, round compact

Conductor Water Blocking

Water Blocking Tape

Conductor Shielding

Semiconductive thermoset compound

Sheath

XLPE 90 °C - Anti tracking cross-linked polyethylene compound, in gray or black, with UV protection

Maximum Operational Temperatures

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

Application

Used in the installation of compact 35kV networks, in areas Where space is limited and less visual pollution is required, such as: tree-lined streets or squares, offering a smaller number of tree prunings and greater protection for the conductor

Applicable Standards

- ICEA S-121-733: Standard for Aerial Distribution Cables, 600 Volts and Below, with Covered Conductors and Messenger Support
- 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

Size (AWG or Kcmil)	Stranding	Conductor Diameter (inch)	Covering Thickness (mils)		Cable O.D. (inch)
			Conductor Shield	Outer Layer	
1/0	7	0.336	15	300	0.966
2/0	7	0.376	15	300	1.006
3/0	7	0.423	15	300	1.053
4/0	7	0.475	15	300	1.105
266.8	19	0.537	15	300	1.167
336.4	19	0.603	15	300	1.233
397.5	19	0.659	15	300	1.289
477	19	0.722	20	300	1.362
556.5	37	0.780	20	300	1.420
636	37	0.835	20	300	1.475
795	37	0.932	20	300	1.572
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