

Aluminum Double Layer Covered Cable 25 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

In double layer being the inner layer in XLPE - Cross-linked polyethylene compound and the outer layer in HDPE – High density polyethylene compound with Anti-Tracking characteristics.

Maximum Operational Temperatures

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

Application

Used in the installation of compact 25kV 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 (mils)	Covering Thickness (mils)		
			Conductor Shield	Inner Layer	Outer Layer
1/0	7	336	15	125	125
2/0	7	376	15	125	125
3/0	7	423	15	125	125
4/0	7	475	15	125	125
266.8	19	537	15	125	125
336.4	19	603	15	125	125
397.5	19	659	15	125	125
477	19	722	20	125	125
556.5	37	780	20	125	125
636	37	835	20	125	125
795	37	932	20	125	125