

Aluminum Double Layer Covered Cable 15 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 in black color and the outer layer in HDPE - High density polyethylene compound anti tracking in gray color, with protection against UV rays.

Maximum Operational Temperatures

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

Application

Used in the installation of compact 15kV 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

Cond. Size	Cond. Strands	Diameter Over Conductor	Conductor Shield Thickness	Inner Layer Thickness	Outer Layer Thickness	Approx. OD
(AWG/Kcmil)	#	(inch)	(mil)	(mil)	(mil)	(inch)
1/0	7	0.336	15	75	75	0.666
2/0	7	0.376	15	75	75	0.706
3/0	7	0.423	15	75	75	0.753
4/0	7	0.475	15	75	75	0.805
266.8	19	0.537	15	75	75	0.867
336.4	19	0.603	15	75	75	0.933
397.5	19	0.659	15	75	75	0.989
477	19	0.722	15	75	75	1.052
556.5	37	0.780	20	75	75	1.120
636	37	0.835	20	80	80	1.195
795	19	0.932	20	80	80	1.292