

TECHNICAL DATA SHEET



COMPONENT ART:
LPES- 011108000

Component Description: **12mm Aluminium conductor- Non Insulated:**

LPES Non Insulated/Bare Aluminium Plain - Round Solid 10mm Conductors Design & Comply As Per IEC 62305, NBC 2016 & IEEE 80, Tested As Per IEC 62561-2 Part No. 11108000 Article No. LPES-CD-SO-R-AL-12 mm-PL-0_0-BA

UV resistant. Classification H1.
Use for Lightning Protection Class I-II-III-IV.

Additional components:
Installation: Classified Holders of Liner and Fix motion.

Air Termination and Ground termination system of Overhead and integrated systems.

Dimensions:	Cross Section of	113.10 mm ²
	Rd : Rod Ø :	12 mm
	Ends :	Full Round
	Material :	AlMgSi

Characteristic:	Material thickness / Coating :	12 mm / Nil
	Electrical Resistivity ρ :	0.036 $\mu\Omega\text{m}$
	Tensile Strength:	>300 N/mm ²
	Electrical Conductivity: Electro	> 54% IACS
	magic Compatibility:	Passive
	Weight :	0.30 kg/m

Standard:

IEC EN 62561-2:2017

Tests:

- Environmental Test
 - Salt mist (EN 60068-2-52:1996)
 - Humid sulphurous atmosphere (ISO 6988:1985)
- Thickness Coating of Conductors ISO 1460 ISO1461 ISO 2178
- Bend and Adhesion Test
- Tensile Test ISO 6892-1
- Electrical Resistivity Test
- Marking Tests