



H100 used to guy a lattice tower

DESCRIPTION

- Pultruded composite rod for guying masts and lattice towers.
- longitudinally orientated fibres provide very high tensile strength.
- Standard lengths available from 25-500m.
- Diameter 5.8 (H56) or 10mm (H100).
- Thermally and electrically insulated.
- Radio frequency transparent
- Excellent resistance to environmental conditions such as rain, solar radiation, salt.
- Maintenance free.
- Very lightweight.



Pultrusion Process

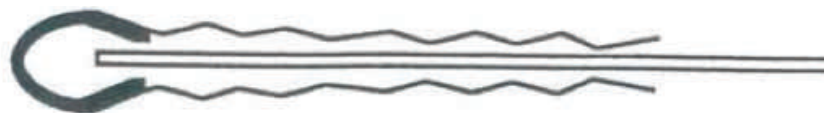


H56 delivered in reels of 25 to 500m

INSTALLATION

Assembly in the field is possible thanks to anchoring grips SSDE230 (H56)

or SSDE250 (H100). These grips are used with a shackle for attaching to ground anchors and the tower.



TECHNICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS	
Thermal class	Y
Disruptive Discharge (dry)	110 kV
Disruptive Discharge (after immersion)	96 kV
Transverse dielectric rigidity	10 kV/mm
Longitudinal dielectric rigidity	15 kV/mm
Dielectric constant at 1MHz	4.5—5
Tan δ at 1MHz	0.02

MECHANICAL CHARACTERISTICS		
Part Number	H56	H100
Young Modulus (acc. to ASTM D790-71)	39.000 MPa	36 000 MPa
Bending resistance (acc. to ASTM D790-71)	60 daN	160 daN
Traction resistance (acc. to ASTM D790-71)	1700 daN	3700 daN
Barcoll hardness	65	60
Temperature range	-40° to +70°C	-40° to +70°C

STRUCTURAL DIMENSIONS		
Part Number	H56	H100
Rod diameter	5.8mm	10mm
Standard length	500m, 250m, 100m, 50m, 25m	300m et 150m
Packaging (diameter)	1.80m	2.50m
% of glass	68—65%	68—65%
% of resin	32—35%	32—35%
Density	1.85 to 1.90 g/cm ²	1.85 to 1.90 g/cm ²
Weight per meter	55g	150g