



ELIT NSGHVSCPLUS

Down conductor System Guardian HVSCPlus

High-voltage down conductor cable for safe transportatio of lightning energy to ground

Technical description

High Voltage Shielded Cable HVSC Plus is a specially designed high integrity, low impedance cable used to safely transfer lightning currents to earth with minimal risk of side flashover or structure electrification. The design of HVSC Plus includes carefully selected dielectric components to ensure optimum performance under impulse or "transient" voltages and currents induced by lightning discharges.

Advantages:

- Double the voltage withstand performance of past versions
- 35% reduction in the mass per unit length of the cable
- Improved manufacturing consistency via a continuous triple "extrusion" process
- Reduced voltage stress via thin, semi-conductive screen layers
- Improved material parameters and performance



Product name/ Art.nr/ GTIN	ELIT NSGHVSCPLUS/ 40150146/ 7070810033911
According to:	Complies with the requirements of AS/NZS ISO9001:2008. ISO 9001, ISO 14001 and ISO 45001 are certified by BSI
Diameter conductor	10 Millimetre
Conductor cross section	50 Square millimetre
Outer diameter incl. sheat/cover	36 Millimetre
Conductor category	Class 2 = stranded
Number of strands	28
Conductor material	Aluminium/copper
Material quality conductor	Aluminium alloy
Characteristic conductor material	Half hard
Surface protection	Untreated
Sheathing material	Polyvinyl chloride (PVC)
Colour	Black
Material insulation	Other
Max. equivalent separation distance s (in air)	0,85 Metre
High-voltage-proof insulated model	Yes
Weight	134 Kilogram per 100 metres