



# Data Sheet

## COAXIAL CABLE

Type 706T3-ST

### Construction :

Inner conductor	Bare copper 1,00 mm
Dielectric	Solid PE diameter 6,50mm
Outer Conductor	Bare copper braid, coverage > 80%
Inner sheath	PE black
Armouring	Galvanized steel tapes ( tape thickness 0,20mm)
Outer sheath	PE black, marking EUPEN 706T3-ST MADE IN BELGIUM + Metermarkierung + Woche

### Electrical Data :

Characteristic impedance	$75 \pm 5 \Omega$
Capacity	66 nF/km
Relative propagation velocity	66 %
Attenuation dB/km	$\leq 6,6 \text{ dB} / 1\text{MHz}$ $\leq 4,6 \text{ dB} / 500 \text{ kHz}$ $\leq 3,6 \text{ dB} / 300 \text{ kHz}$ $\leq 2,0 \text{ dB} / 100 \text{ kHz}$ $\leq 1,5 \text{ dB} / 50 \text{ kHz}$
Test 50 Hz/1min	$\geq 8 \text{ kV}$
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
DC resistance conductor at 20 °C	$\leq 23,5 \Omega / \text{km}$
DC resistance braid at 20 °C	$\leq 4,40 \Omega / \text{km}$

### Mechanical data

Diameter	12,20 mm – 13,50 mm
Weight / 100m	~ 22,0 kg
Min. bending radius	
Single bend	125 mm
Multiple bending	185 mm
Max. tensile strength	450 N