

Railway Control and Signalling Cables



ZPAU Siechem Railway Control and Signalling Cables

Application

- ✓ Used for signalling circuits in railway networks.
- ✓ Connects the signalling equipment centre to the track-side equipment

Features

- ✓ Excellent resistance to high and low temperature
- ✓ Resistance to oil, damp and humid weather conditions
- ✓ Low reduction factor.

Technical Data

- ✓ Temperature Range : -30°C to +70°C.
- ✓ Rated Voltage : 750 V
- ✓ Specification : SNCF CT 445
NF F 55-698
IEC 60332-1-2

Product Construction

- ✓ Conductor : Solid Copper Conductor 1mm²
- ✓ Insulation : Solid Polyethylene
- ✓ Pairs : Two insulated conductors twisted to form a pair
- ✓ Inner Sheath : Non-Hygroscopic sheath (Halogen-free optional)
- ✓ Screen : Annealed Plain Copper tape
- ✓ Intermediate Sheath : Polyethylene
- ✓ Armour : Two helically applied steel tapes
- ✓ Outer Sheath : Specially formulated PVC (Halogen Free - Optional).

Electrical Data

- ✓ Linear Resistance : 18.1 Ω/km
- ✓ Insulation Resistance : ≥5000 MΩ.km
- ✓ Dielectric Strength : 4.5kV
- ✓ Mutual Capacitance at 800 Hz : ≤55 nF/km
- ✓ Capacitance Unbalance : 400 pF/500m
- ✓ Characteristic Impedance :
from 20 to 45 kHz : 120±10 Ω
from 45 to 80 kHz : 115±10 Ω
- ✓ Linear Attenuation :
from 20 to 45 kHz : ≤2.5 dB/km
from 45 to 80 kHz : ≤3 dB/km

ISO
9001

ISO
14001

OHSAS
18001

AS
9100

ISO
45001



Part Number	No. of Pairs & mm ² Per Conductor	Conductor Diameter (mm)	Average Outer Diameter (mm)	Total Weight (Kg/km)
876 10 04	4 x 2 x 1	1.13	20.0	625
876 10 07	7 x 2 x 1	1.13	22.8	790
876 10 14	14 x 2 x 1	1.13	27.7	1440
876 10 21	21 x 2 x 1	1.13	32.0	1410
876 10 28	28 x 2 x 1	1.13	34.9	1720
876 10 56	56 x 2 x 1	1.13	48.8	3185



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
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