Nexans

Railway Signalling Cables RT/E/PS 00005- Specification Type E1 and E2

Type Approval Certificates

Rail Track

Applications

650/1100V

These cables are dedicated for railway signalling systems with a maximum voltage rating of 650/1100 volts being power frequency rating to earth and 1100 volts being the core to core rating. Cables shall be suitable for use in d.c. circuits where the nominal voltage to earth does not exceed 1100 volts.

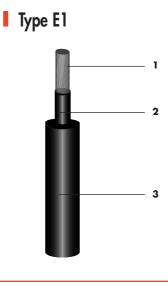
Design

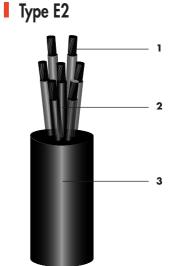
1. Conductor

Flexible tinned copper class 5 IEC 60228 and BS 6360

2. Insulation EPR/GP4 (BS 7655) Colour black

3. Outer Sheath (large tickness) ZHLS (Zero Halogen Low Smoke) (BS 7655) colour: black





Marking

NEXANS - RT/E/PS/00005 railway catalogue number type and size date of manufacturing

Core Identification

Ink printed numbers















Low smoke

Halogen free

No toxicity No corrosivity Flexible

Railway Signalling Cables - RT/E/PS 00005 Specification - Type E1 and E2

Cables (mm²)	Outer Diameter min/max (mm)	Weight (kg/km)
Туре Е1		
1 x 2.5	11.2/14.0	200
Туре Е2		
2 x 2.5	14.9/18.8	380
4 x 2.5	16.4/20.9	470
7 x 2.5	18.7/23.7	625
10 x 2.5	22.5/28.6	940
12 x 2.5	23.2/29.3	980
16 x 2.5	25.3/32.0	1200

Routine test voltage: 2.5 kV for 5 minutes



Mexans

Railway Signalling Cables RT/E/PS 00005 - Specification

Type E3

650/1100V

Type Approval Certificates

Rail Track

Applications

These cables are dedicated for railway signalling systems with a maximum voltage rating of 650/1100 volts being power frequency rating to earth and 1100 volts being the core to core rating. Cables shall be suitable for use in d.c. circuits where the nominal voltage to earth does not exceed 1100 volts.

Design

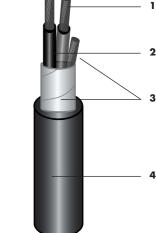
1. Conductor Flexible tinned copper class 5 IEC 60228 and BS 6360

2. Insulation EPR/GP4 (BS 7655) Colour black

3. Screen + Drain wire

4. Outer Sheath (large tickness)

ZHLS (Zero Halogen Low Smoke) (BS 7655) colour: black



Marking

Core Identification

NEXANS - RT/E/PS/00005 railway catalogue number E3 1 date of manufacturing

Ink printed numbers

Minimum noise reduction: 60dB against electrostatic fields

Cables (mm²)	Outer Diameter min/max (mm)	Weight (kg/km)
Туре ЕЗ		
Screened pair 2.5 sqmm	15.0/20.0	410
Routine test voltage: 2.5 kV for 5 minute		

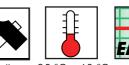












Low smoke

Halogen free No toxicity

Flexible No corrosivity

-25 °C + 60 °C Excellent



<u>Mexans</u>

Temperature

Admissible ambient temperature for continuous duty operation

Weather Resistance to severe weather conditions

Impacts Cable mechanical resistance to impacts

Chemical attacks Resistance to chemicals

Fire Performances

Smoke-Corrosivity-Toxicity Smoke density, corrosivity and toxicity

Flexibility

Bending Radius R = n x outer diameter

Halogen free

Lead free

Water-tightness

Electro Magnetic Interference

























