



T13

Tramway signalling Inter-city rail - Signalling main cables

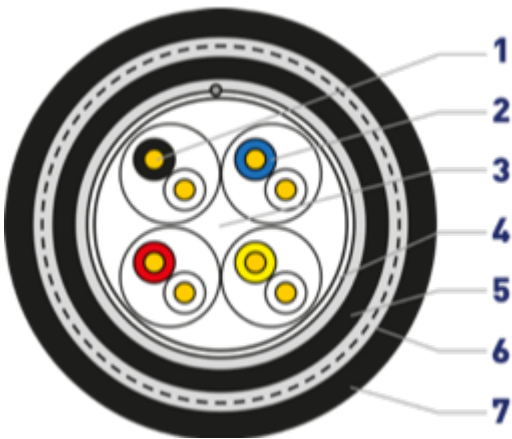
BENEFITS

- Cross-sectionally waterproof
- Does not contain halogenated compounds

APPLICATIONS

- Main remote control and remote transmission cable, installed in multi-tubular sheaths, under roads or pavements, along DC-electrified lines up to 1500V
- For "rail" or "tyre" tram lines at dedicated sites

GENERAL CHARACTERISTICS



Cable interior

1. Red copper solid core - Diameter 10/10 or 12/10
2. Insulation: coloured polyethylene
3. 4-wire wiring except in 4 pairs (twisted pair wiring)
4. Shielding by aluminium tape with continuity wire

Protection

1. Polyethylene water-blocking internal sheath
2. Armour by corrugated steel tape, longitudinally laid, with overlap, or by 2 spiral strips with joint
3. High density polyethylene outer jacket + marking + metric

Mechanical

- Operating temperature: 60°C
- Resistant to mineral oils, acids and bases
- Resistant to UV, weather, low temperatures
- Resistant to damage and cracking
- Bending radius:
 - Static: 10 x D,
 - Dynamic: 20 x D
- Excellent friction coefficient adapted to pulling through conduits

Electrical

- Linear resistance:
 - 10/10: 23.06Ω/km,
 - 12/10: 16.02Ω/km
- Operating voltages: 750V
- Capacitances:
 - 1 pair: < 67nF/km,
 - 4 pairs: < 62nF/km,
 - others: < 57.5nF/km
- Average capacitance unbalance for 500m:
 - in the 4-wire cable: 90pF,
 - between 4-wires or adjacent pairs: 45pF

RANGE

| | Number of pairs | Diameter of sheath (mm) | Net weight (kg/km) | Reel format Length (m) |
|-------------|-----------------|-------------------------|--------------------|------------------------|
| Range 10/10 | | | | |
| U3673 | 2 | 12,8 | 180 | C 1000 |
| U3674 | 4 | 16,4 | 266 | B 500 |
| U3675 | 8 | 19,3 | 380 | C 500 |
| U3676 | 14 | 22 | 545 | D 500 |
| U3678 | 28 | 25,5 | 870 | E 500 |
| Range 12/10 | | | | |
| U3682 | 2 | 12,8 | 200 | C 1000 |
| U3683 | 4 | 16,4 | 300 | B 500 |
| U3684 | 8 | 19,2 | 440 | C 500 |
| U3685 | 14 | 21,9 | 642 | D 500 |
| U3687 | 28 | 27,5 | 1113 | E 500 |

- Other formats available on request
- Note: The 28 p. cables automatically have 2 spiral strips as armour; for all others, choice between ringed tape and 2 spiral strips

NORMS AND STANDARDS

General standards

- Cable interior as per Standard NF F 55-623 - Same as K23
- Standard NF C 32-050 armour