

T13 TECHNICAL CABLE FOR DEDICATED NETWORKS

Tramway signalling Inter-city rail - Signalling main cables

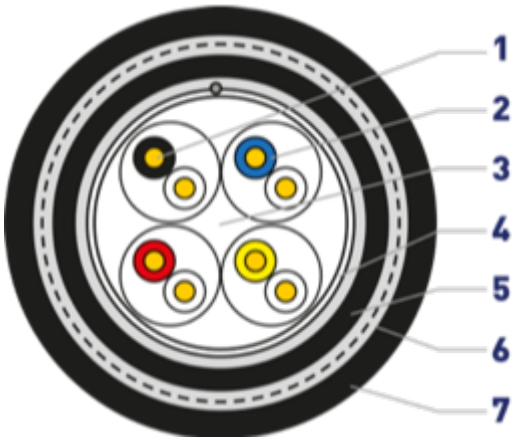
BENEFITS

- 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