

SRS13 TECHNICAL CABLE FOR SPECIALIZED NETWORKS

Signal cables for surface networks: Urban railways (K23 waterproof version)

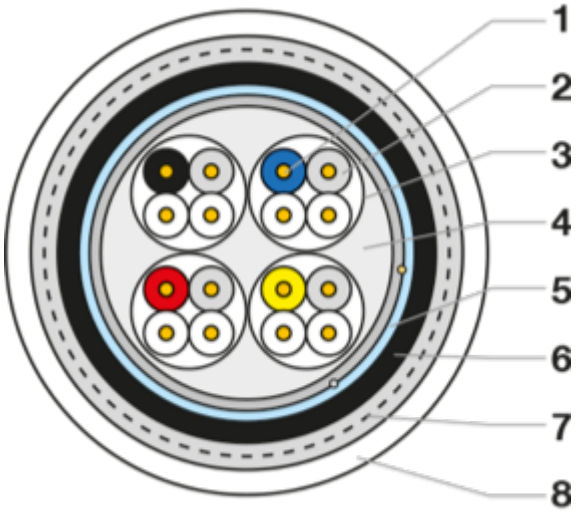
BENEFITS

- Longitudinal and cross-sectional waterproofing
- K23-compatible
- Improved fire performance

APPLICATIONS

- Main signal, control and remote transmission cable for installation in cable trays, ducts or buried
- Halogen-free gel-filled waterproof cables installed along continuously electrified lines up to 1500V
- Designed to equip tramway and surface metro, regional express networks, and tram-train networks

GENERAL CHARACTERISTICS



1. Solid core copper wire - Ø1 or 1.2mm
2. Insulation: coloured polyethylene
3. Assembly in 4-wire stars except in 4 pairs (twisted pair assembly)
4. General assembly with waterproofing material
5. Copolymer aluminium tape
6. Black polyethylene jacket
7. Steel spiral strips armour
8. Coloured LSOH sheath

Mechanical

- Operating temperature: -20°C to +60°C
- Min. bending radius:
- static: ≥8 x Ø, dynamic: ≥16 x Ø
- Resistant to mineral oils, acids and bases
- Resistant to UV, weather, low temperatures
- Corrosivity of combustion gases:
- pH ≥ 4.3 (EN 50267-2-2)
- Longitudinal waterproofing: H_2O penetration < 3cm (NF EN 50289-4-2 method B)

Electrical

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

RANGE

	Number of pairs	Diameter of copper (mm)	Diameter of sheath (mm)	Net weight (kg/km)	Reel format Length (m)
Range 10/10					
U4128	2 p.	1,0	12,0	210	B 1000
U4129	4 p.	1,0	14,6	310	D 1500
U4130	8 p.	1,0	18,0	480	F 2000
U4131	14 p.	1,0	23,5	650	D 500
U4132	28 p.	1,0	29,0	1160	E 500
U4308	56 p.	1,0	38,5	2045	G 500
U4309	112 p.	1,0	51,5	3710	H 500
Range 12/10					
U4133	2 p.	1,2	13,7	270	C 1000
U4134	4 p.	1,2	17,1	415	C 500
U4135	8 p.	1,2	21,5	650	E 1000
U4136	14 p.	1,2	23,7	900	E 500
U4137	28 p.	1,2	31,0	1540	F 500
U4310	56 p.	1,2	41,0	2810	G 500
U4311	112 p.	1,2	54,0	5150	H 500

NORMS AND STANDARDS

General standards

LSOH

Fire behavior

- NF C 32070.2.1 (flame retardant EN 60332-1)