

SCG FIBER OPTIC CABLE FOR HARSH ENVIRONMENTS

Local signal cable Intercity railways

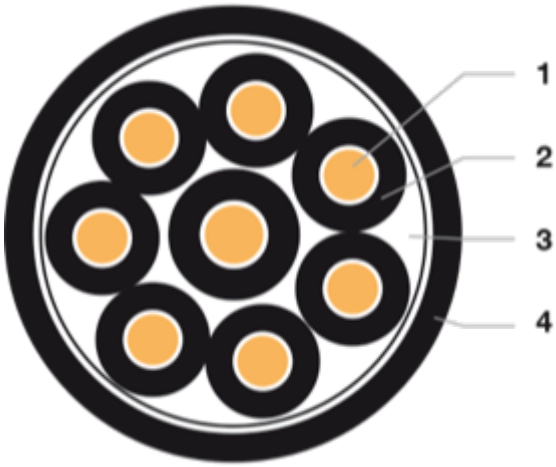
BENEFITS

- Can be used in short lengths along 25kV AC-electrified tracks to connect switchgear substations to switches and crossings

APPLICATIONS

- Connects the switchgear substation to the relevant component
- Control or power for devices located along the tracks and between the rails

GENERAL CHARACTERISTICS



1. Tinned copper solid core - Class 1
2. Insulation: black numbered cross-linked polyethylene
3. Multi-core wiring
4. Outer black lead-free PVC or brown SH jacket + marking + metric

Mechanical

- Operating temperature: 70°C
- Bending radius: static 5 x D, dynamic 10 x D
- Installation in ducts or short conduits

Electrical

- Electrical characteristics at 20°C ± 5°C:
- Linear resistance:
  - 2.5mm²: 7.56Ω/km
  - 6mm²: 3.11Ω/km
- Operating voltage: 750V

RANGE

Reference	Composition	Cross-sectional area of core (mm2)	Composition of core Nb x Ømm	Diameter of insulation (mm)	Diameter of sheath (mm)	Net weight (kg/km)	Reel format Length (m)
L5408	2 x	2,5	1 x 1,78	4	12,9	225	D 1000
L5409	4 x	2,5	1 x 1,78	4	15,8	335	E 1000
L5410	6 x	2,5	1 x 1,78	4	18,6	475	E 1000
L5411	8 x	2,5	1 x 1,78	4	19,9	545	F 1000
L5412	2 x	6	1 x 2,75	5.4	17	385	D 1000
L5413	4 x	6	1 x 2,75	5.4	19,6	550	E 1000
L5414	6 x	6	1 x 2,75	5.4	22,3	780	G 1000
L5415	8 x	6	1 x 2,75	5.4	24,1	940	G 1000

- Other formats available on request

NORMS AND STANDARDS

General standards

- SNCF CT 446 specification
- SNCF approved

Fire behavior

- Fire resistance NFC 32070.2.1 (flame retardant) and IEC 60332-1