CT2242

Fibre optics telecommunications - Intercity railways

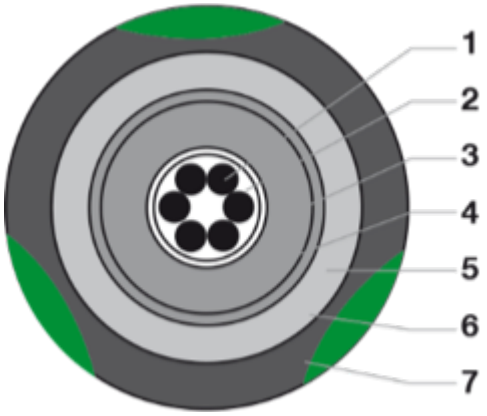
BENEFITS

- Excellent mechanical protection with corrugated steel armour
- Protection against rodents
- Resistant to shocks and crushing

APPLICATIONS

- Long-distance optical fibre Telecom line for installation along railways
- Cables laid directly in ducts or buried

GENERAL CHARACTERISTICS



1. Compact Tube®: 6 or 12 optical fibres under thermoplastic skin
2. Dry waterproofing of water-swelling elements
3. Central Unit: rigid thermoplastic tube
4. Strength members: glass yarns
5. Armour: 25/100 copolymer corrugated steel
6. Final sheath: black high-density polyethylene
7. 3 green bands placed at 120°

General

- FIBRE OPTICS DATASHEET AVAILABLE ON REQUEST

Mechanical

- Operating temperature: -30°C / +70°C
- Installation temperature: -5°C / +50°C
- Max. installation voltage:
  - 2250N (36 to 144 OF), OF elongation ≤ 0.3%
  - 2750N (36 to 144 OF), cable elongation ≤ 0.5%, reversible OF elongation
- Resistant to crushing: 300N/cm
- Min. bending radius:
  - 180mm (up to 36 OF)
  - 200mm (42 to 72 OF)
  - 225mm (96 to 144 OF)
- Cable net weight:
  - 182kg/km (up to 36 OF)
  - 200kg/km (42 to 72 OF)
  - 235kg/km (84 to 144 OF)
- Longitudinal waterproofing per IEC 60794-1-F5

RANGE

	Number of fibres	Composition	External diameter (mm)	Reel format Length (m)
N9065	12	2 modules de 6	13	H 4800 selon CT2242
N9066	36	6 modules de 6	13	H 4800 selon CT2242
N9067	72	6 modules de 12	14	H 4800 selon CT2242
N9593	144	12 modules de 12	15,3	H 4800 selon CT2242

- Delivery possible on G reel with standard 50mm guard - To be specified when ordering

NORMS AND STANDARDS

General standards

- SNCF CT 2242.V.10 specification
- SNCF approved