

Duct - Loose Tube cables

LOOSE TUBE CABLE 12X12SM SP1451

This cable is used for Access, Distribution, City Network and FTTx applications. It is designed to be installed by pulling or blowing in ducts.

Characteristics & Applications

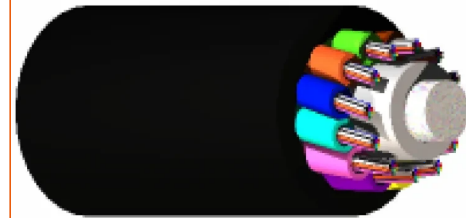
- High blowing distance due to the excellent friction properties of the outer sheath
- Central strength member reinforcement
- All dielectric design
- Waterproof dry core structure

Fibre Type

The cable is available with different fibre types.

Construction

- Jelly filled tubes containing coloured fibres
- Central FRP strength member
- Low friction outer sheath



STANDARDS

EN 187000
IEC 60794

Loose Tube Cable 12x12SM SP1451

Characteristics

Construction characteristics

| | |
|-------------------|-------------|
| Fiber optic type | SM |
| Armour type | Aramid yarn |
| Outer sheath | HDPE |
| Metal free | Yes |
| Strength member | FRP |
| Construction type | Loose Tube |

Dimensional characteristics

| | |
|-----------------------------|-----------|
| Number of tubes | 12 |
| Approximate weight | 169 kg/km |
| Number of optical fibres | 144 |
| Nominal outer diameter (mm) | 14.3 mm |

Mechanical characteristics

| | |
|---------------------------------------|----------|
| Maximum admissible traction load (Tm) | 496 daN |
| Crush resistance (IEC 60794-1-E3) | 400 N/cm |

Usage characteristics

| | |
|---|----------------|
| Operating temperature, range | -30...70 °C |
| Storage temperature, range | -40...70 °C |
| Installation type | Outdoor - Duct |
| Ambient installation temperature, range | 0...40 °C |
| Bending factor when laying | 20 (xD) |