Construction

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| --- |
| **- Central strength member:** Glass reinforced plastic (GRP) rod  **- Buffer tube:** 2.5mm polypropylene, 12 fibers per tube, dry tube  **- Optical fibers:** 12 Corning SMF28e+ ITU.G652.D  **- Water tightness:** Longitudinal water tightness in the core is ensured by swellabe elements  **- Reinforcement:** Dielectric strength yarns over core  **- Outer jacket:** 1.3 mm nominal black weather resistant medium-density polyethylene |

Dimensions

|  |  |  |  |
| --- | --- | --- | --- |
| **Fiber Count** | Outer Diameter | Weight | **Tube OD** |
| **12** | **0.40” (10.1 mm)** | **43 lb/kft (64 kg/km)** | **2.5 mm** |

Mechanical properties

|  |  |  |  |
| --- | --- | --- | --- |
| Minimum bending radius – under tension – no tension  Installation Tension | 20 x cable diameter 10 x cable diameter  600 lbs max | Temperature range – transportation, storage – installation  - operation | -40°C to +75°C -30°C to +60°C  -40°C to +70°C |

Main mechanical and environmental characteristics: Compliant to ICEA 640, Telcordia GR20, & RUS requirements.

|  |  |  |
| --- | --- | --- |
| **Test** | **Standard** | **Specified value** |
| Temperature cycling | ICEA 640 | -40°C to +70°C |
| Water penetration | ICEA 640 | Sample=1m, water=1m, 24h |

**Marking**

Except where expressly agreed between the parties and specified to the contrary at the time the order is made, all cable markings shall be in white or yellow, at one meter or two foot intervals on the outer sheath, and shall include the following inscriptions :

(handset symbol) PRYSMIAN OPTICAL CABLE, month/year of manufacture, number and type of fibers, manufacturing cable ID number, length marking»