

EXTALCTxyyy

Armored Fiber optic cable - central tube and loose tube structure
PEHD jacket



+ BENEFITS

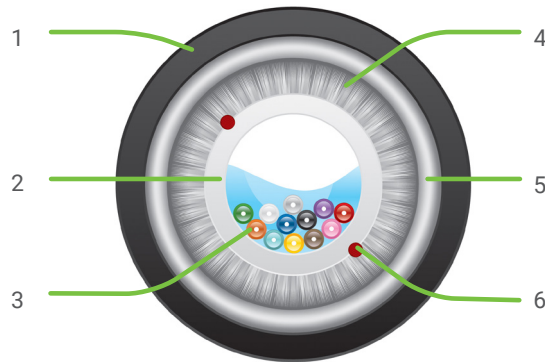
- Reinforced protection against rodents
- Easy installation : can be burried directly tahank to high crush.
- External application ; Goo UV resistance UV resistance



OUT

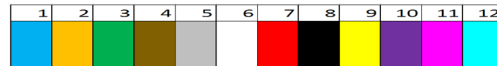


LOOSE



- 1 .PEHD sheath
- 2 .PBT tube with Waterproof gel
- 3 .Optical core
- 4 . Glass yarns
- 5 . Corrugated steel tape
- 6 . Rip cord

Color code of the fibers is as per
TIA/EIA 598A and IEC 304



DESCRIPTION / APPLICATIONS

The cable is designed for outdoor applications, in ducts, for direct burial or latched installations. Single mode or multi-mode fibers, meeting or exceeding the pertinent IEC*, ITU and EIA/TIA specifications.

Up to 24 fibers are enclosed in a single PBT loose tube. The fibers are colour coded for easy identification. The tube is filled with water-blocking gel to prevent the ingress of water. Dry water-swelling glass yarn is laid over the tube to serve as peripheral strength members and to block the cable from water penetration..

A corrugated steel tape armouring is longitudinally applied over the glass yarn. Two ripcords are laid at 180° under the steel tape to facilitate the jacket removal.

The outer jacket, made of UV resistant PEHD, is extruded over the armouring tape.

STANDARD

OPTICAL FIBER :

MULTIMODE IEC 60793-2-10 :

A1A.2 (OM3), A1A.3 (OM4), A1A.4 (OM5)

SINGLE MODE IEC 60793-2-50 :

B1.3 (OS2, G652 D),B6.A (G657A)

OPTICAL CABLE : IEC 60794

OPTICAL SYSTEM: ISO 11801, EIA/TIA 568-C.3, EN 50173

CPR LEVEL : Fca

MECHANICAL PROPERTIES

| NUMBER OF FIBERS | 6 | 12 | 24 |
|---------------------------------|--------------|----------------|--------------|
| NUMBER OF TUBE | | 1 | |
| NOMINAL TUBE DIAMETER [MM] | 2.9 (+/-0.2) | | 3.3 (+/-0.2) |
| NOMINAL CABLE DIAMETER [MM] | 6.2 (+/-0.3) | | 6.7 (+/-0.2) |
| NOMINAL JACKET THICKNESS [MM] | | 1.5 | |
| MAXIMUM PULLING LOAD | | 3000 | |
| MAX. OPERATING LOAD [N] | | 1500 | |
| MINIMUM BENDING RADIUS | | 20 X OD | |
| MAX. COMPRESSIVE LOADING [N/DM] | | 4000 N | |
| STORAGE TEMPERATURE RANGE | | -40°C to +70°C | |
| INSTALLATION TEMPERATURE RANGE | | -40°C to +50°C | |
| NOMINAL WEIGHT (KG/KM) | 89 | 91 | 95 |
| EUROCLASS LEVEL | | Fca | |

ORDER INFORMATION

| ITEM | DESCRIPTION | PACKING |
|-------------|---|------------|
| EXTALCTxxyy | Central loose tube fiber optic - Armored steel - PEHD jacket. | Drum 4000m |

Replace xx by the number of fibers: 6, 12 ou 24
 Replace yyy by the type de fiber: OM3, OM4, OS2