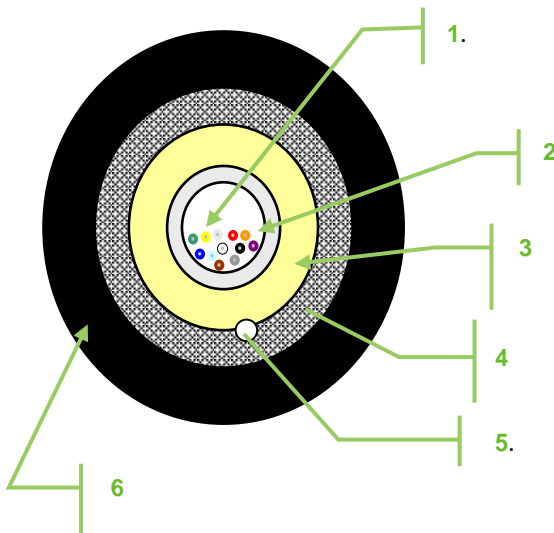


REF : EXTALCTx

Central loose tube fiber optic – Steel Armoured – PEHD jacket



1. Fiber optic
2. Gel filled Loose tube
3. Water blocking glass yarn reinforcement
4. Corrugated steel armor
5. Rip cord
6. PEHD outer jacket

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

Tube/Fiber Number	Colour	Ring
1	Blue	-
2	Orange	-
3	Green	-
4	Brown	-
5	Grey	-
6	White	-
7	Red	-
8	Black	-
9	Yellow	-
10	Violet	-
11	Pink	-
12	Turquoise	-
13	Blue	Black
14	Orange	Black
15	Green	Black
16	Brown	Black
17	Grey	Black
18	White	Black
19	Red	Black
20	Natural	Black
21	Yellow	Black
22	Violet	Black
23	Pink	Black
24	Turquoise	Black

Applications

The cable is designed for outdoor applications in ducts, 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 (1) are enclosed in a PBT tube (2). The fibers are colour coded for easy identification

The tube is filled with water blocking, thixotropic gel to prevent the ingress of water.

Dry water swelling glass yarn (3) is laid over the tube to serve as peripheral strength members and to block the cable from water penetration. A corrugated steel armor tape (4) is longitudinally applied over the yarn with an overlap.

A UV resistant PEHD outer jacket (6) is extruded over the armouring tape.

Two ripcords (5) are laid at 180° under the steel tape to facilitate the jacket removal.

(*)For more specifications please refer to the document titled « optical performances ».


REF : EXTALCTx

Central loose tube fiber optic – Steel Armoured – PEHD jacket

Mechanical and environmental properties

							IEC-60794-1-2 Méthode de test	TIA/EIA-455 FOTP No.
No. of Fibers	2	4	6	8	12	24		
No. of Tubes	1	1	1	1	1	1		
Nom. Tube Diameter [mm]	3.1	3.1	3.1	3.1	3.1	3.7		
Nom. Diameter [mm]	10.0	10.0	10.0	10.0	10.0	10.0		
Nom. Jacket Thickness [mm]	1.5	1.5	1.5	1.5	1.5	1.5		
Maximum Pulling Load	2500 N	2500 N	2500 N	2500 N	2500 N	2500 N	E1	33
Maximum Operating Load	1500 N	1500 N	1500 N	1500 N	1500 N	1500 N		
Minimum Bending Radius	20 x D						E11	104
Max. Compressive Loading	5000 N	5000 N	5000 N	5000 N	5000 N	5000 N	E3	41
Tenue au feu	-							
Storage Temperature Range	- 50°C to +70°C						F1	3
Operating Temperature Range	- 40°C to +70°C						F1	3
Nom. Weight [kg/km]	85	87	89	91	95			

References

Reference	Designation	Nominal diameter (mm)	Outer jacket Color	 (m)
EXTALCTx	x FO 62.5/125 OM1 OUTDOOR LOOSE TUBE STEEL ARMoured	10	Black RAL 9005	T1000
EXTALCTx50	x FO 50/125 OM2 OUTDOOR LOOSE TUBE STEEL ARMoured	10	Black RAL 9005	T1000
EXTALCTx50OM3	x FO 50/125 OM3 OUTDOOR LOOSE TUBE STEEL ARMoured	10	Black RAL 9005	T1000
EXTALCTx50OM4	x FO 50/125 OM4 OUTDOOR LOOSE TUBE STEEL ARMoured	10	Black RAL 9005	T1000
EXTALCTx9125	x FO 9/125 OS2 OUTDOOR LOOSE TUBE STEEL ARMoured	10	Black RAL 9005	T1000
EXTALCTx9125G657	x FO 9/125 G657 OUTDOOR LOOSE TUBE STEEL ARMoured	10	Black RAL 9005	T1000

X = Fibre number