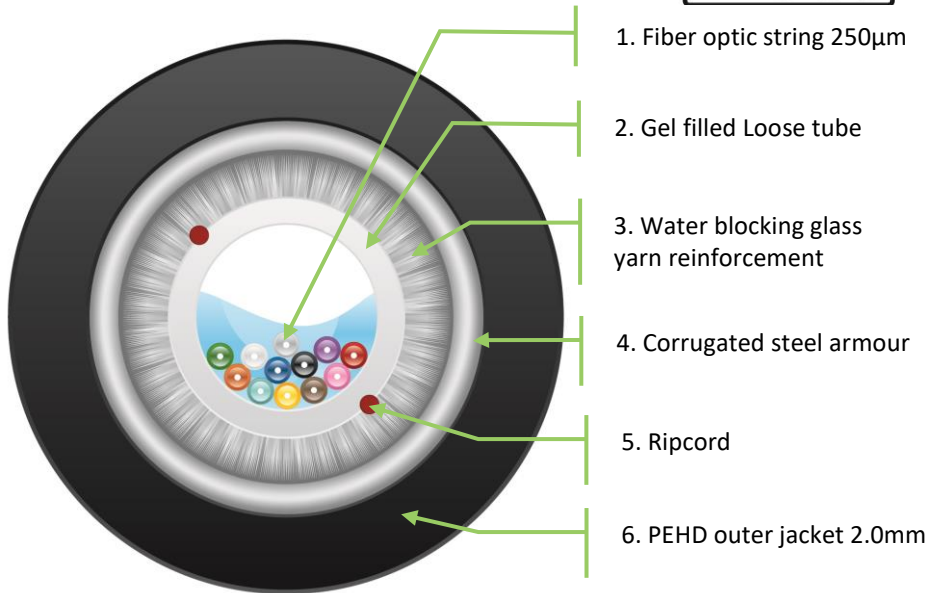


P/N: EXTAL CT x R

Reinforced central loose tube fiber – Steel Armoured – PEHD jacket



Colour code of the fibres is as per TIA/EIA 598A and IEC 304.



1. Fiber optic string 250µm

2. Gel filled Loose tube

3. Water blocking glass yarn reinforcement

4. Corrugated steel armour

5. Ripcord

6. PEHD outer jacket 2.0mm

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

Tube/Fiber Number	Color	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	-

From 13 to 24, colour code of the fibres is the same but a black ring is added.

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 armour tape (4) is longitudinally applied over the yarn with an overlap.

A UV resistant thick 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 ».


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Mechanical and environmental properties

Testing method							IEC-60794-1-2	TIA/EIA-455 FOTP
No. of Fibers	2	4	6	8	12	24		
No. of Tubes	1							
Nom. Tube Diameter [mm]	3.1					3.4		
Nom. Diameter [mm] +/-0.2	8.7 < Ø < 9.5							
Nom. Jacket Thickness [mm] +/-0.2	1.7 < thickness < 2.0							
Maximum Pulling Load	2500 N						E1	33
Maximum Operating Load	1500 N							
Minimum Bending Radius	20 x D						E11	104
Max. Compressive Loading	5000 N						E3	41
Tenue au feu	-							
Storage Temperature Range	- 50°C to +70°C						F1	3
Operating Temperature Range	- 40°C to +80°C						F1	3
Nom. Weight [kg/km]	85	87	89	91	95			

Ordering information

Part Numbers	Designation	ØD (mm)	Jacket Colour	 (m)
EXTALCTxR	x FO 62.5/125 OM1 OUTDOOR LOOSE TUBE STEEL ARMoured	8.7 < Ø < 9.5 +/-0.2	Black RAL 9005	T1000 T2000 T4000
EXTALCTxR50	x FO 50/125 OM2 OUTDOOR LOOSE TUBE STEEL ARMoured			
EXTALCTxR50OM3	x FO 50/125 OM3 OUTDOOR LOOSE TUBE STEEL ARMoured			
EXTALCTxR50OM4	x FO 50/125 OM4 OUTDOOR LOOSE TUBE STEEL ARMoured			
EXTALCTxR9125	x FO 9/125 OS2 OUTDOOR LOOSE TUBE STEEL ARMoured			
EXTALCTxRG657	x FO 9/125 G657 OUTDOOR LOOSE TUBE STEEL ARMoured			

X = Fibre number