EXTALCTx

CENTRAL LOOSE TUBE FIBER OPTIC – ARMORED – PEHD JACKET

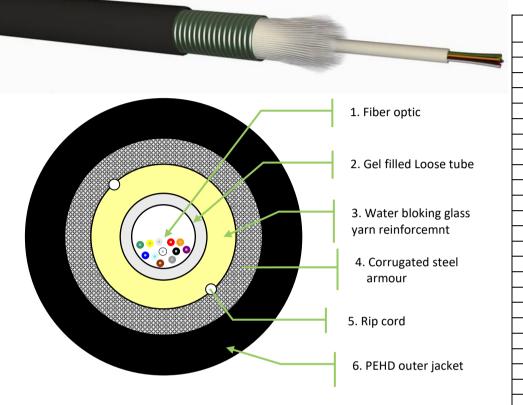


Color code of the fibers is as per TIA/EIA 598A and IEC 304.

ultimediaCon

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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	

Drawing for information only (depends of fibers' number)

PRESENTATION

This document specifies a central loose tube cable. The cable is glass yarn reinforced and jacketed with PEHD. The cable is designed for outdoor applications in ducts, direct burial or latched installations.

DESCRIPTION

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 mebers 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 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.

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TECHNICAL PROPERTIES

				IEC-60794-1-2 Test Method	TIA/EIA-455 FOTP No.
No. of Fibers	6	12	24		
No. of Tubes	1	1	1		
Nom. Tube Diameter [mm]	3.1	3.1	3.7		
Nom. Diameter [mm]	7.4	7.4	7.4		
Nom. Jacket Thickness [mm]	1.5	1.5	1.5		
Maximum Pulling Load	2500 N	2500 N	2500 N	E1	33
Maximum Operating Load		1500 N			
Minimum Bending Radius		20 x D		E11	104
Impact Resistance		-			
Up to 15 mm O.D.		4.4 J, 3 x 2 tim	nes		
15 to 17.5 mm O.D.		7 J, 3 x 2 times		E4	25
17 to 20 mm O.D.		10 J, 3 x 2 times			
Over 20 mm O.D.		13 J, 3 x 2 tim	es		
Max. Compressive Loading		5000 N		E3	41
Twist (Torsion)	10 turn of	180° on 125 x O.D.	sample, both ways.	E7	85
Fire Resistance		-			
Storage Temperature Range		- 50° C to +70	°C	F1	3
Operating Temperature Range		- 40° C to +70	°C	F1	3
Core Fluid Penetration	1 m s	ample, 1 m water h	ead for 24 Hrs	F5	82
Nom. Weight [kg/km]	89	95	110		

Optical performances

Please refer to MMC document titled « TDS optical performances »

COLOR & MARKING						
REFERENCE	DESIGNATION	JACKET COLOUR	MARKING			
EXTALCTxOM3	x FO 50/125 OM3 LIBRE EXT ARMURE ACIER	BLACK- RAL 9005	MULTIMEDIA CONNECT+ Manuf code + EXTALCTx50OM3 – x FO 50/125 OM3 + Metric Marking + production number			
EXTALCTXOM4	x FO 50/125 OM4 LIBRE EXT ARMURE ACIER	BLACK- RAL 9005	MULTIMEDIA CONNECT+ Manuf code + EXTALCTx50OM4 – x FO 50/125 OM4 + Metric Marking + production number			
EXTALCTxOS2	x FO 9/125 OS2 LIBRE EXT ARMURE ACIER	BLACK- RAL 9005	MULTIMEDIA CONNECT+ Manuf code + EXTALCTx9125 – x FO 9/125 OS2 + Metric Marking + production number			
EXTALCTx7A2	x FO 9/125 G657 LIBRE EXT ARMURE ACIER	BLACK- RAL 9005	MULTIMEDIA CONNECT+ Manuf code + EXTALCTx9125G657 – x FO 9/125 G657 + Metric Marking + production number			

XX = Number of Fiber