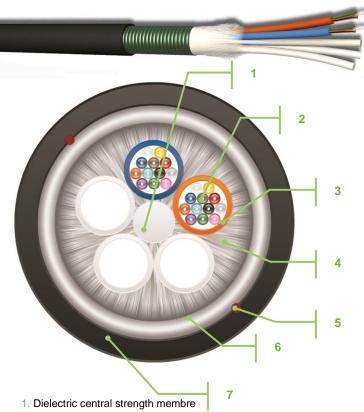
## **DATA SHEET 1/2**

Ed.1 RN 06/19

## **REF: EXTALMTxSHC1**

MULTI LOOSE TUBE FIBER OPTIC WITH LSZH ARMOURED OUTTER JACKET – C1 CABLE ACCORDING TO NFC 32-070



- 2. Fiber optic
- 3. Loose tube with Gel
- 4. Dry water swelling material
- 5. Rip cords
- 6. Corrugated steel tape
- 7 Outer jacket LSZH C1

# 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	Purple		
14	Orange	Purple		
15	Green	Purple		
16	Brown	Purple		
17	Grey	Purple		
18	White	Purple		
19	Red	Purple		
20	Natural	Purple		
21	Yellow	Purple		
22	Violet	Purple		
23	Pink	Purple		
24	Turquoise	Purple		

#### **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 144 optical fibers are enclosed in PBT tubes. The tubes and fibers are colour coded for easy identification. The tubes are filled with a thixotropic gel to prevent the ingress of water.

The tubes are SZ stranded around a dielectric central member.

The interstices in the cable core are filled with a dry water swelling material to prevent water penetration.

Water swelling glass yarn is laid over the tubes to serve as peripheral strength members.

A corrugated steel tape armouring is longitudinally applied over the glass yarn.

The LSZH outer jacket is extruded over the armouring tape.

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



### DATA SHEET 2/2

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MULTI LOOSE TUBE FIBER OPTIC WITH LSZH ARMOURED OUTTER JACKET – C1 CABLE ACCORDING TO NFC 32-070

### **Mechanical and environmental properties**

								IEC-60794-1-2 Test Method	TIA/EIA-455 FOTP No.
No. of Fibers	24	36	48	60	72	96	144		
No. of Tubes	4	6	6	6	6	8	12		
Nom. Tube Diameter [mm]	2.1	2.1	2.1	2.1	2.1	2.1	2.1		
Nom. Diameter [mm]	10.0	13.0	13.0	15.6	15.6	15.6	18.0		
Nom. Jacket Thickness [mm]	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Maximum Pulling Load (N)	2700	2700	2700	2700	2700	2700	2700	E1	33
Maximum Operating Load (N)	1600	1600	1600	1600	1600	1600	1600		
Minimum Bending Radius		20 x D				E11	104		
Max. Compressive Loading (N)	4000	4000	4000	4000	4000	4000	4000	E3	41
Fire Resistance				IEC 60 33	32-1				
Storage Temperature Range		- 50°C to +70° C					F1	3	
Operating Temperature Range		- 40° C to +70° C					F1	3	
Nom. Weight [kg/km]	123	126	130	135	150	165	220		

#### References

Reference	Designation	JACKET COLOUR	(m)
EXTALMTxxOM3SHC1	xx FO 50/125 OM3 C1 LSZH STEEL ARMOUR IN OUT		
EXTALMTxxOM4SHC1	xx FO 50/125 OM4 C1 LSZH STEEL ARMOUR IN OUT		T1000
EXTALMTxxOM5SHC1	xx FO 50/125 OM5 C1 LSZH STEEL ARMOUR IN OUT	BLACK- RAL 9005	T2000
EXTALMTxOS2SHC1	xx FO 9/125 OS2 C1 LSZH STEEL ARMOUR IN OUT		
EXTALMTx57A2C1	xx FO 9/125 G7657A2 C1 LSZH STEEL ARMOUR IN OUT		

X = Number of fiber