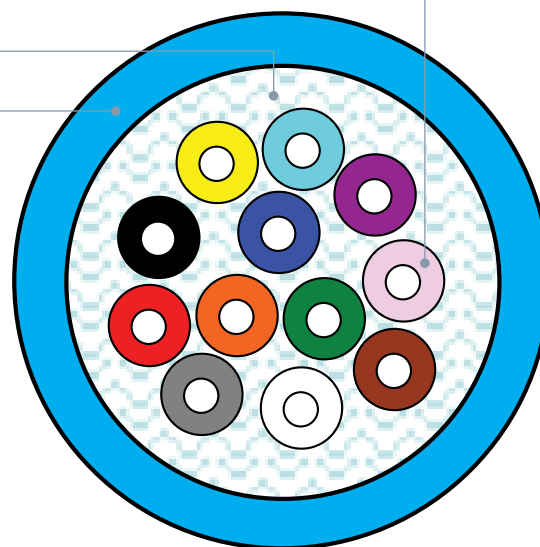


Tight fiber optic structure

Glass fibers

LSZH Sheath



PRODUCT INFORMATION

APPLICATION

This optical cable can be used as well protected indoors as well as outdoors.

Single-mode or multi-mode optical fiber, meets and exceeds the IEC, ITU, and EIA/TIA specifications. This cable can hold up to 24 strands in a tight structure.

Each strand has a 900µm thermoplastic polymer coating. The strands are colored for easy identification.

The glass fibers (2) positioned around the strands serve as rodent protection. An outer sheath (3) made of LSZH is extruded around the fiberglass fiber.

(*) For more details, see the document «optical performance».

Color code of fibers according to TIA/EIA 598A and IEC 304.

Fiber number / tube	Color	Ring
1	Blue	-
2	Orange	-
3	Green	-
4	Brown	-
5	Gray	-
6	White	-
7	Red	-
8	Black	-
9	Yellow	-
10	Purple	-
11	Pink	-
12	Turquoise	-
13	Blue	Black
14	Orange	Black
15	Green	Black
16	Brown	Black
17	Gray	Black
18	White	Black
19	Red	Black
20	Translucent	Black
21	Yellow	Black
22	Purple	Black
23	Pink	Black
24	Turquoise	Black

MECHANICAL AND ENVIRONMENTAL PROPERTIES								
							IEC-60794-1-2 Test Method	TIA/EIA-455 FOTP No.
Number of fibers	2	4	6	8	12	24		
Number of tubes	-	-	-	-	-	-		
Nominal outer diameter [mm]	5.0	5.6	6.3	7.1	7.6	13		
Nominal sheath thickness [mm]	1.0							
Maximum tensile strength (N)	800						E1	33
Minimum bending radius	20 x D							
Maximum crushing resistance (N)	1000						E3	41
Fire resistance	IEC 60332-1							
Storage temperature	- 20° C to +70° C							
Operating temperature	- 20° C to +50° C							
Nominal weight [kg/km]	36	38	46	50	60	78		

REFERENCES					
Reference	Designation	Diameter	Weight (Kg/Km)	Sheath color	 (m)
6FOSIEOM3	6 FO 50/125 OM3 SERREE INT/EXT LSZH	6,3	46	TURQUOISE - RAL 6027	T1000
12FOSIEOM3	12 FO 50/125 OM3 SERREE INT/EXT LSZH	7,6	60	TURQUOISE - RAL 6027	T1000
6FOSIEOS2	6 FO 9/125 OS2 SERREE INT/EXT LSZH	6,3	46	JAUNE - RAL 1021	T1000
12FOSIEOS2	12 FO 9/125 OS2 SERREE INT/EXT LSZH	7,6	60	JAUNE - RAL 1021	T1000

X = Number of fibers