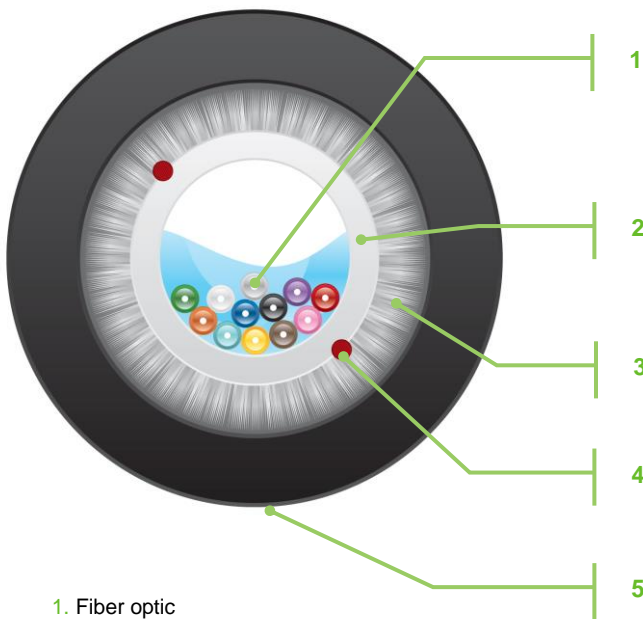


## REF: INTEXx

Central Loose tube fiber optic glass yarn reinforced cable – LSZH jacket



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



1. Fiber optic
2. Central loose tube
3. Glass yarn reinforcement
4. Rip cord
5. LSZH outer jacket

Fiber	Color	Ring
1	Blue	-
2	Orange	-
3	Green	-
4	Brown	-
5	Grey	-
6	White	-
7	Red	-
8	black	-
9	Yellow	-
10	Purple	-
11	Pink	-
12	Turquoise	-

Fiber	Color	Ring
13	Blue	Black
14	Orange	Black
15	Green	Black
16	Brown	Black
17	Grey	Black
18	White	Black
19	Red	Black
20	black	White*
21	Yellow	Black
22	Purple	Black
23	Pink	Black
24	Turquoise	Black

## Applications

This cable can be use indoor or outdoor.

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 single PBT loose tube (2). The tube is filled with water-blocking, thixotropic gel to prevent the ingress of water. The fibers are colour coded for easy identification.

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. LSZH jacket (5) is extruded over the glass yarns to form the cable jacket.

Ripcord (4) is provided under jacket to facilitate jacket removal.

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

## REF: INTEXx

Central Loose tube fiber optic glass yarn reinforced cable – LSZH jacket

### Mechanical and environmental properties

No. of Fibers	6	12	24	IEC-60794-1-2 Test Method	TIA/EIA-455 FOTP No.
No. of Tubes	1				
Nom. Tube Diameter [mm]	3.1		4.2		
Nom. Diameter [mm]	6.5		8.1		
Nom. Jacket Thickness [mm]	1.0		1.4		
Maximum Pulling Load	1200 N			E1	33
Minimum Bending Radius	20 x D				
Max. Compressive Loading	3000 N			E3	41
Fire Resistance	IEC 60332-1				
Smoke emission	IEC 61034-1/2				
Zero Halogen, no corrosive gases	IEC 60754-1				
Fluid penetration	IEC 60794-1-2-F5				
Optical cabling system compliance	ISO 11801 ed. 2.2, TIA-EIA 568C.3, EN 50173-1				
Storage Temperature Range	- 40° C to +70° C				
Operating Temperature Range	- 20° C to +70° C				
Nom. Weight [kg/km]	39	45	62		

### References

MMC Part numbers	Description	Jacket Color	 (m)
INTEX <b>xx</b> OM3 C	xx FO 50/125 OM3 LOOSE TUBE IN/OUT LSZH	BLACK- RAL 9005	T6000
INTEX <b>xx</b> OM4 C	xx FO 50/125 OM4 LOOSE TUBE IN/OUT LSZH		
INTEX <b>xx</b> OM5 C	xx FO 50/125 OM5 LOOSE TUBE IN/OUT LSZH		
INTEX <b>xx</b> OS2 C	xx FO 9/125 OS2 LOOSE TUBE IN/OUT LSZH		
INTEX <b>xx</b> 7A2 C	xx FO 9/125 G657 LOOSE TUBE IN/OUT LSZH		

Replace **xx** by the number of fibers