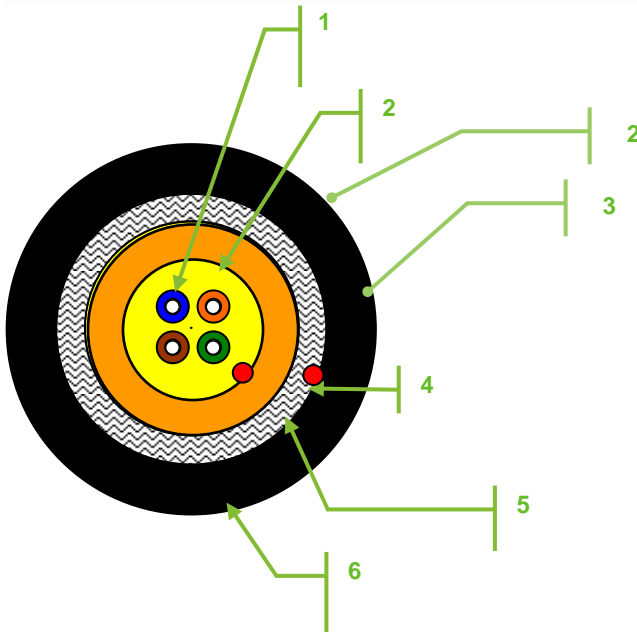
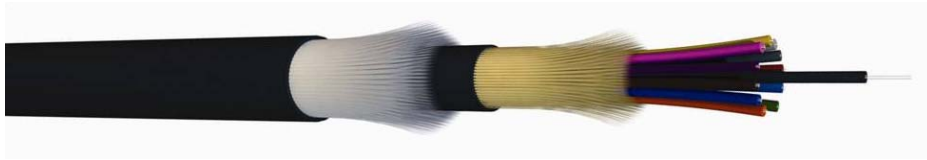


## REF : MULTIE<sub>x</sub>

### DOUBLE JACKET TIGHT BUFFERED FIBER OPTIC CABLE – LSZH Jacket



1. Tight buffered optical fiber
2. Aramid water blocking yarns
3. HFFR inner jacket
4. Rip cord
5. Glass yarns
6. PE outer jacket

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	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

## Applications

This cable can be use indoor (without the PE outer jacket) or outdoor for short and medium distances.

Single mode or multi-mode fibers, meeting or exceeding the pertinent IEC\*, ITU and EIA/TIA specifications

Up to 24 tight buffered optical fibers. Each fiber is enclosed in a 0.9 mm tight buffer made of a thermoplastic polymer.

The coated fibers are colour coded for easy identification.

Aramid Water Blocking yarns are laid peripherally over the strand to serve as strength members.

An LSZH inner jacket is extruded over the cable core.

Glass yarns are laid over the LSZH to serve as peripheral strength members and to prevent water penetration.

A PE outer jacket is extruded over the glass yarns.

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


## REF : MULTIE<sub>x</sub>

### DOUBLE JACKET TIGHT BUFFERED FIBER OPTIC CABLE – LSZH Jacket

#### Mechanical and environmental properties

							IEC-60794-1-2 Test Method	TIA/EIA-455 FOTP No.
<b>No. of Fibers</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>12</b>	<b>24</b>		
No. of Tubes	-	-	-	-	-	-		
Nom. Diameter [mm]	7.6	8.3	8.3	9.3	10.5			
Nom. Jacket Thickness [mm]	1.0	1.0	1.0	1.0	1.0	1.0		
Maximum Pulling Load	1500 N	1500N	1500N	1500N	1500N	1500N	E1	33
Minimum Bending Radius	20 x D							
Max. Compressive Loading	2000 N	2000 N	2000 N	2000 N	2000 N	2000 N	E3	41
Fire Resistance	IEC 60 332-1 (Inner jacket)							
Storage Temperature Range	- 20° C to +70° C							
Operating Temperature Range	- 20° C to +50° C							
Nom. Weight [kg/km]	68	72	79	95	105			

#### References

Reference	Designation	JACKET COLOUR	 (m)
MULTIE <sub>xx</sub>	xx FO 62.5/125 OM1 TIGHT BUFFERED INT/OUT	BLACK - RAL 9005	T1000
MULTIE <sub>xx50</sub>	xx FO 50/125 OM2 TIGHT BUFFERED INT/OUT	VIOLET - RAL 4005	T1000
MULTIE <sub>xx50OM3</sub>	xx FO 50/125 OM3 TIGHT BUFFERED INT/OUT	TURQUOISE - RAL 6027	T1000
MULTIE <sub>xx50OM4</sub>	xx FO 50/125 OM4 TIGHT BUFFERED INT/OUT	TURQUOISE - RAL 6027	T1000
MULTIE <sub>xx9125</sub>	xx FO 9/125 OS2 TIGHT BUFFERED INT/OUT	YELLOW - RAL 1021	T1000
MULTIE <sub>xx9125G657</sub>	xx FO 9/125 G657 TIGHT BUFFERED INT/OUT	YELLOW - RAL 1021	T1000

**X = Number of fiber**