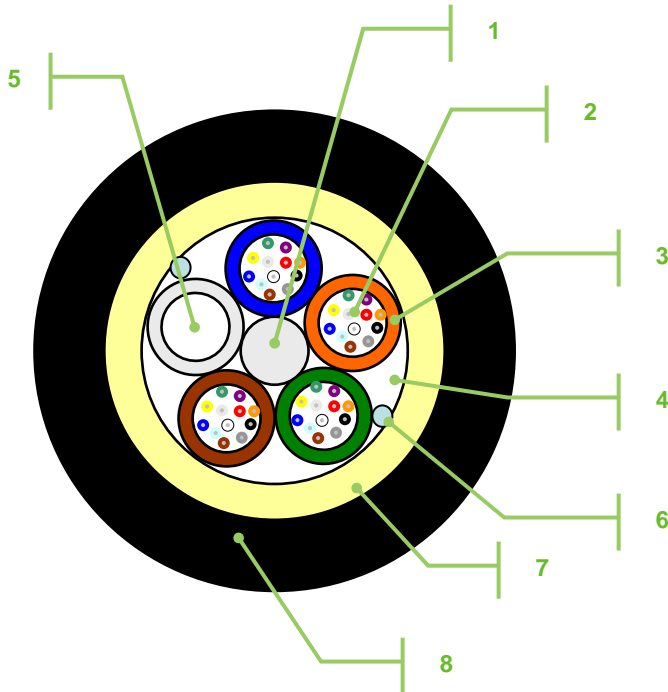


REF : EXTMTx

CABLE LOOSE MULTI TUBE FIBER OPTIC GLASS YARNS REINFORCED- PEHD JACKET



1. Dielectric central element
2. Optical fiber
3. Gel filled loose tube
4. Dry water swelling material
5. PE filler
6. Rip cord
7. E Glass yarns
8. PEHD 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

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. PE fillers are added when needed to form the rounded cable core.

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.

The outer jacket, made of UV resistant PEHD, is extruded over the armouring tape.

Two ripcords are laid at 180° for removing easily the outer jacket.

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


REF : EXTMT_x

CABLE LOOSE MULTI TUBE FIBER OPTIC GLASS YARNS REINFORCED- PEHD JACKET

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	2	3	4	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]	10.6	10.6	10.6	11.9	11.9	13.8	17.3		
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	-								
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 sample, 1 m water head for 24 Hrs							F5	82
Nom. Weight [kg/km]	50	52	54	60	100	140	200		

Ordering information

Reference	Designation	Jacket Colour	 (m)
EXTMT _x	x OF 62.5/125 OM1 OUTDOOR MULTITUBE GLASS ARMORING	BLACK RAL 9005	1000
EXTMT _x 50	x OF 50/125 OM2 OUTDOOR MULTITUBE GLASS ARMORING	BLACK RAL 9005	1000
EXTMT _x 50OM3	x OF 50/125 OM3 OUTDOOR MULTITUBE GLASS ARMORING	BLACK RAL 9005	1000
EXTMT _x 50OM4	x OF 50/125 OM4 OUTDOOR MULTITUBE GLASS ARMORING	BLACK RAL 9005	1000
EXTMT _x 9125	x OF 9/125 OS2 OUTDOOR MULTITUBE GLASS ARMORING	BLACK RAL 9005	1000
EXTMT _x 9125G657	x OF 9/125 G657 OUTDOOR MULTITUBE GLASS ARMORING	BLACK RAL 9005	1000

X = Number of fibers