

MULTI TUBE FIBER OPTIC CABLES SJNMA - JELLY - LSZH-HFFR

U-DF(ZN)H

IEC 60793-1-2, IEC 60794-3-12

Multi Tube, Non-Metallic, Single Sheathed, Jelly Filled Fiber Optic Cables



APPLICATIONS	CONSTRUCTION
HDPE in long distance and local communication networks, etc. it is used in pipes made of material.	Fiber dyed into Loose tubes it is placed, then bent by the SZ method and applied as a sufficient amount of glass yarn Armor Material. It is sheathed with LSZH-HFFR material. It has the property of water blocking.

PHYSICAL PROPERTIES

Fiber Type	SM 9/125 G652 D, G657 A1, G657 A2, G657 B3, G655 MM 62.5/125 OM1, 50/125 OM2, 50/125 OM3, 50/125 OM4 , 50/125 OM5
Tube Material	PBT & PBT+PC
Tube Filling Compound	Thixotropic Jelly
Jelly Compound	Petroleum Filler Jelly
Filling Material	Polyester Tape
Strength Member	Glass Yarn
Ripcord Type	Polyester Ripcord
Outer Jacket	Black-LSZH/HFFR

MECHANICAL AND ENVIRONMENTAL PROPERTIES

Physical Tests	Values	Standards
Tensile Strength (Working)	1500 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	2500 N	IEC 60794-1-2 E1
Impact Strength	10 J, 3 impacts	IEC 60794-1-2 E4
Crushing Strength	2000 N / 10 cm	IEC 60794-1-2 E3
Water Tightness	24 hours 3 m length	IEC 60794-1-2 F5
Bending Radius	20 x cable diameter	IEC 60794-1-2 E11
Operating Temperature	-40 to +70 °C	IEC 60794-1-2 F1
Storage Temperature	-40 to +70 °C	IEC 60794-1-2 F1

SHEATH MARKING, PACKAGING INFORMATION

Marking	Erat Cable <Production Year> <Fiber Number and Type> <Meter>
Packaging	2000 mt ±%5
Packaging Information	Wooden Reel


TECHNICAL DATA













Fiber Count	Tube Count	Filler Count	Tube Diameter (mm)	Cable Diameter (mm)	Approximate Weight (kg/km)
24	2	4	1.85±0.05	9.4±0.5	103
24	6	0	1.85±0.05	9.4±0.5	105
48	4	2	1.85±0.05	9.4±0.5	106
48	6	0	1.85±0.05	9.4±0.5	105
72	6	0	1.85±0.05	9.4±0.5	107
96	8	0	1.85±0.05	10.4±0.5	134
144	12	0	1.85±0.05	12.8±0.5	182
288	24	0	2.1±0.05	16.3±0.5	247

CONSTRUCTION

24 Fiber 2x12	24 Fiber 6x4
<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket
48 Fiber 4x12	48 Fiber 6x8
<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket
72 Fiber 6x12	96 Fiber 8x12
<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket
144 Fiber 12x12	288 Fiber 24x12
<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP FRP Coating Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP FRP Coating Jelly Filling Polyester Tape Glass Yarn Ripcord LSZH/HFFR Outer Jacket

▶ **MULTI TUBE FIBER OPTIC CABLES SJNMA - JELLY - LSZH-HFFR** 

FIBER COLOR CODE / TIA-598 - A							
	1- Blue		7- Red		13- Blue / Black Stripes		19- Red / Black Striped
	2- Orange		8- Black		14- Orange / Black Stripes		20- Natural
	3- Green		9- Yellow		15- Green / Black Stripes		21- Yellow / Black Striped
	4- Brown		10- Violet		16- Brown / Black Stripes		22- Violet / Black Striped
	5- Grey		11- Pink		17- Grey / Black Striped		23- Pink / Black Striped
	6- White		12- Aqua		18- White / Black Striped		24- Aqua / Black Striped

COLOR OF LOOSE TUBES / TIA-598											
1	2	3	4	5	6	7	8	9	10	11	12
											
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Note: Black striped for more than 12 tubes