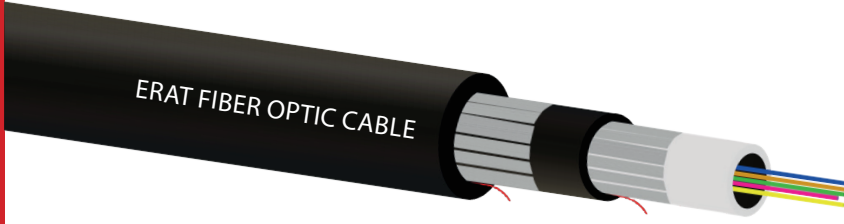


SINGLE TUBE FIBER OPTIC CABLES DJNMA - LSZH-HFFR - PE

A-DQ(ZN)H(ZN)2Y

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

Single Tube, Non-Metallic, Double Sheathed Fiber Optic Cables



APPLICATIONS	CONSTRUCTION
HDPE in long distance and local communication networks, etc. it is used in a pipe made of the material or by burying it directly in the ground.	Fiber painted into the central buffer tube it is placed, then a sufficient amount of glass yarn together they are applied as Armor Material. It is coated with LSZH/HFFR Decking, then the outer casing is discarded with MDPE/HDPE 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
Loose Tube Color	Natural
Tube Filling Compound	Thixotropic Jelly
Strength Member	Glass Yarn
Inner Sheath	Black - LSZH-HFFR
Outer Jacket	Black-MDPE/HDPE

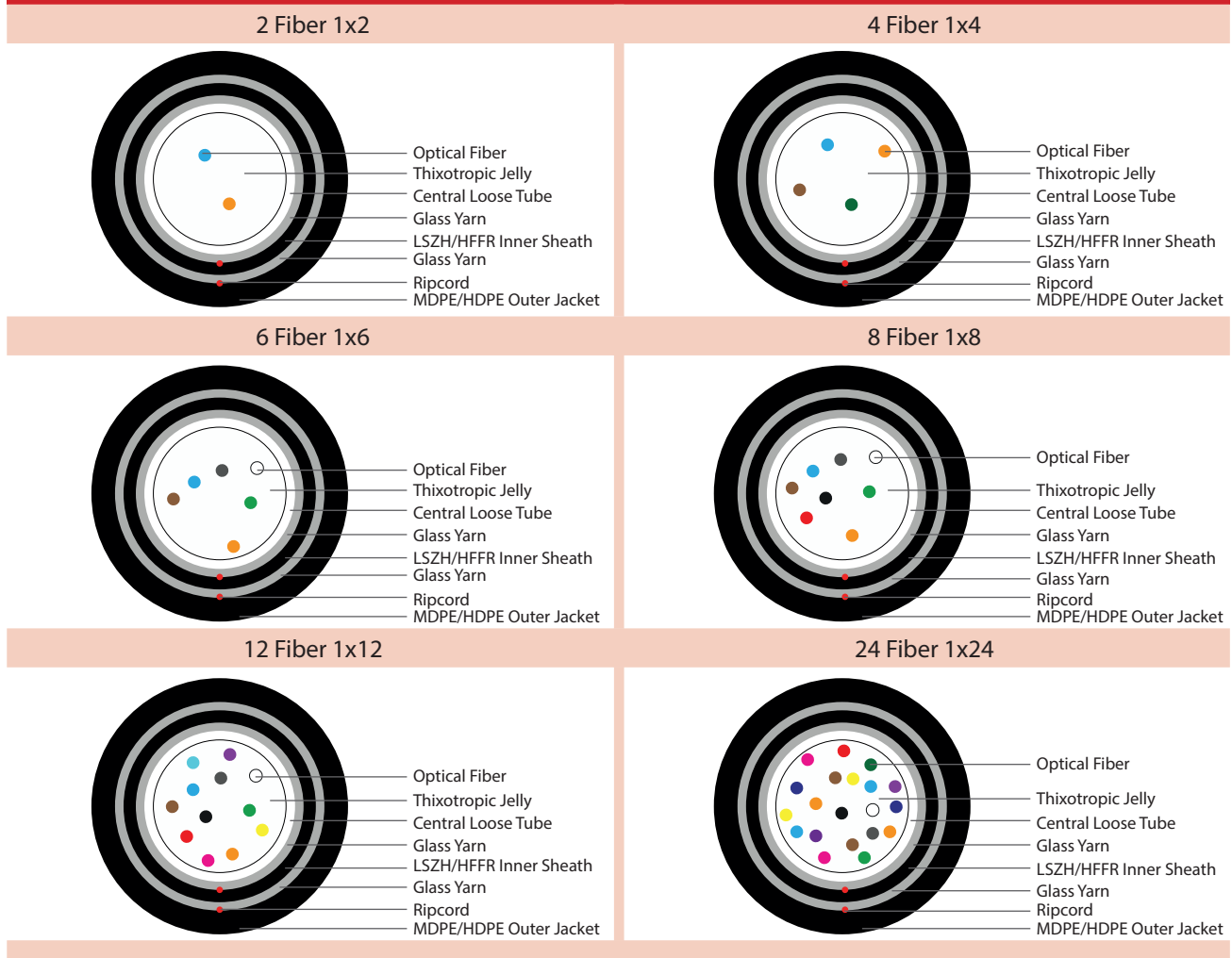
MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Values	Standards
Tensile Strength (Working)	1000 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	1600 N	IEC 60794-1-2 E1
Impact Strength	10 J, 3 impacts	IEC 60794-1-2 E4
Crushing Strength	2000 N / 10 cm	IEC 60794-1-2 E3
Water Tightness	24 hours 3 m length	IEC 60794-1-2 F5
Bending Radius	20 x cable diameter	IEC 60794-1-2 E11
Operating Temperature	-40 to +80 °C	IEC 60794-1-2 F1
Storage Temperature	-40 to +80 °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)
2	1	0	2.4±0.05	9.0 ±0.5	70
4	1	0	2.4±0.05	9.0 ±0.5	70
6	1	0	2.4±0.05	9.0 ±0.5	70
8	1	0	2.4±0.05	9.0 ±0.5	70
12	1	0	2.4±0.05	9.0 ±0.5	70
24	1	0	2.8±0.05	9.5 ±0.5	76

CONSTRUCTION



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