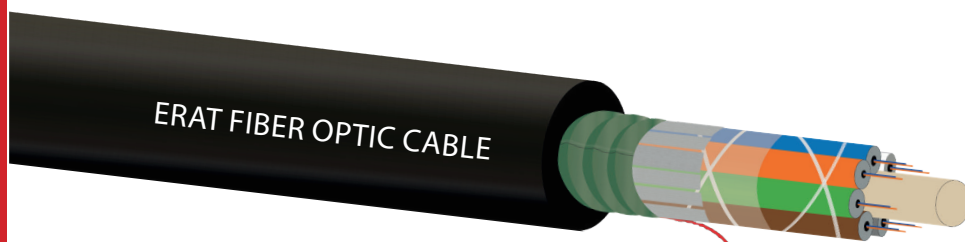


MULTI TUBE FIBER OPTIC CABLES SJCSA- JELLY - GLASS YARN - LSZH-HFFR
U-DF(ZN)(SR)H
IEC 60793-1-2, IEC 60794-3-12
Multi Tube, Corrugated Steel Tape, Single Sheathed, Jelly Filling Fiber Optic Cables



APPLICATIONS	CONSTRUCTION
It is used in cable ducts or cable trays in indoor communication networks	Fiber painted into the central buffer tube it is placed, It is then bent with the SZ method and applied as Corrugated Steel Tape Armor with glass fiber. It is outer sheathed with LSZH-HFFR material. It has water blocking feature.

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
Armor Material	Corrugated Steel Tape
Ripcord Type	Aramid Yarn Ripcord
Outer Jacket	Black-LSZH/HFFR

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Values	Standards
Tensile Strength (Working)	2000 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	3000 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	10.8±0.5	147
24	6	0	1.85±0.05	10.8±0.5	144
48	4	2	1.85±0.05	10.8±0.5	146
48	6	0	1.85±0.05	10.8±0.5	148
72	6	0	1.85±0.05	10.8±0.5	149
96	8	0	1.85±0.05	11.5±0.5	179
144	12	0	1.85±0.05	14.2±0.5	251
288	24	0	2.1±0.05	17.5±0.5	351

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 Corrugated Steel Tape Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Corrugated Steel Tape 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 Corrugated Steel Tape Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Corrugated Steel Tape 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 Corrugated Steel Tape Ripcord LSZH/HFFR Outer Jacket 	<ul style="list-style-type: none"> Optical Fiber Thixotropic Jelly Loose Tube FRP Jelly Filling Polyester Tape Glass Yarn Corrugated Steel Tape 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 Corrugated Steel Tape 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 Corrugated Steel Tape Ripcord LSZH/HFFR Outer Jacket

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