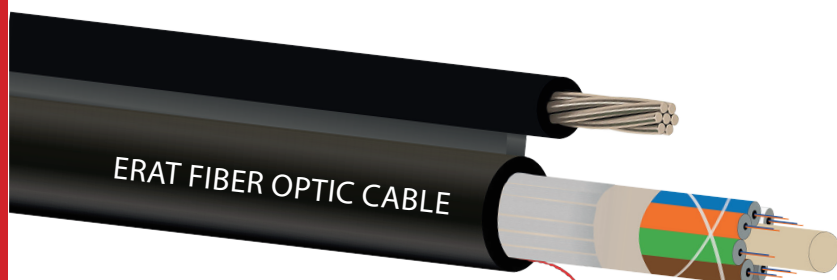


**MULTI TUBE FIBER OPTIC CABLES SJNMA AERIAL - GLASS YARN - DRY - PE  
A-DQ(ZN)T2Y  
IEC 60793-1-2, IEC 60794-3-12  
Multi Tube, Single Sheathed, DRY Messenger Fiber Optic Cables**



APPLICATIONS	CONSTRUCTION
It is used by hanging the Messenger between the poles in AERIAL lines in long distance and local communication networks.	Fiber painted into the central buffer tube it is placed, It is then bent around the FRP element using the SZ twisting method, then sheathed with MDPE / HDPE material along with glass threads and Messenger.

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
Filling Material	Water Blocking Tape
Strength Member	Glass Yarn
Messenger	7x 0.92 mm Steel Wire (can be changed according to customer demand)
Messenger Outer Diameter	5.8±0.3 mm (depends on steel wire diameter)
Ripcord Type	Polyester Ripcord
Outer Jacket	Black-MDPE/HDPE

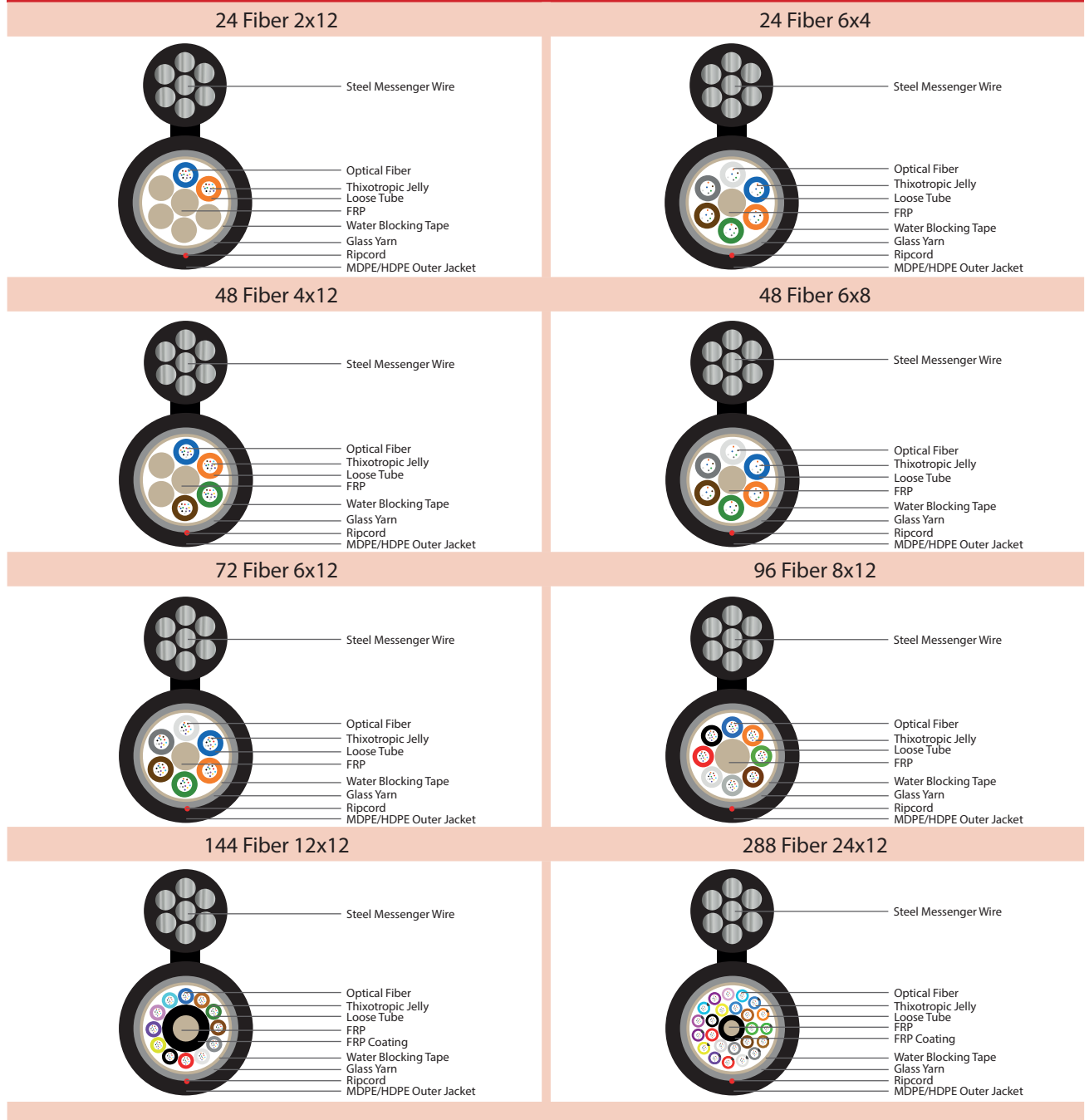
MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Values	Standards
Tensile Strength (Working)	3000 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	4500 N	IEC 60794-1-2 E1
Impact Strength	10 J, 3 impacts	IEC 60794-1-2 E4
Crushing Strength	2000 N / 10 cm	IEC 60794-1-2 E3
Water Tightness	24 hours 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)
24	2	4	1.85±0.05	9.4*17.6±0.5	130
24	6	0	1.85±0.05	9.4*17.6±0.5	144
48	4	2	1.85±0.05	9.4*17.6±0.5	133
48	6	0	1.85±0.05	9.4*17.6±0.5	145
72	6	0	1.85±0.05	9.4*17.6±0.5	146
96	8	0	1.85±0.05	10.4*18.6±0.5	169
144	12	0	1.85±0.05	12.8*21.0±0.5	210
288	24	0	1.85±0.05	16.3*24.6±0.5	278

**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

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