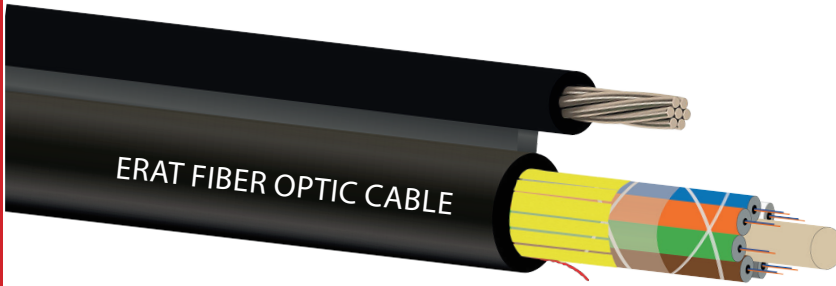


MULTI TUBE FIBER OPTIC CABLES SJNMA AERIAL - ARAMID YARN - JELLY - PE
A-DF(ZN)T2Y
IEC 60793-1-2, IEC 60794-3-12
Multi Tube, Single Sheathed, Jelly Filling, Messenger Fiber Optic Cables



APPLICATIONS	CONSTRUCTION
Aerial in long distance and local communication networks It is used by hanging it from the messenger between the poles on the lines.	Dyed fibers are placed in loose tubes, then FRP element by SZ twisting method bent around, then sheathed with MDPE/HDPE material along with aramid yarn 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
Jelly Compound	Petroleum Filler Jelly
Filling Material	Polyester Tape
Strength Member	Aramid 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

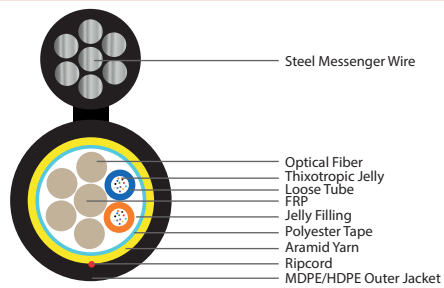
SHEATH MARKING, PACKAGING INFORMATION	
Marking	Erat Cable <Production Year> <Fiber Number and Type> <Meter>
Packaging	2000 mt ±%5
Packaging Information	Wooden Reel

TECHNICAL DATA

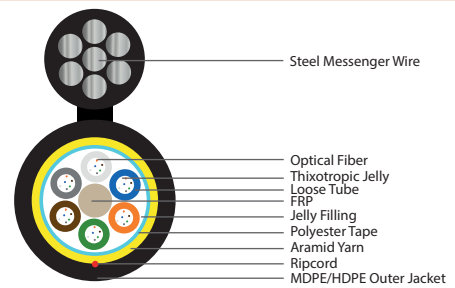
Fiber Count	Tube Count	Filler Count	Tube Diameter (mm)	Cable Diameter (mm)	Approximate Weight (kg/km)
24	2	4	1.85±0.05	9.4*17.6±0.5	136
24	6	0	1.85±0.05	9.4*17.6±0.5	152
48	4	2	1.85±0.05	9.4*17.6±0.5	153
48	6	0	1.85±0.05	9.4*17.6±0.5	153
72	6	0	1.85±0.05	9.4*17.6±0.5	154
96	8	0	1.85±0.05	10.4*18.6±0.5	178
144	12	0	1.85±0.05	12.8*21.0±0.5	234
288	24	0	1.85±0.05	16.3*24.6±0.5	310

CONSTRUCTION

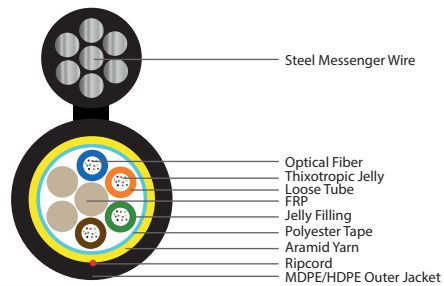
24 Fiber 2x12



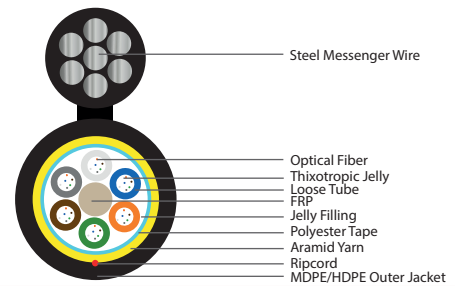
24 Fiber 6x4



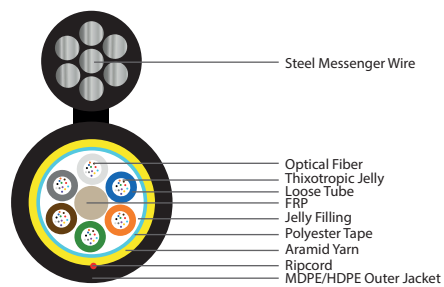
48 Fiber 4x12



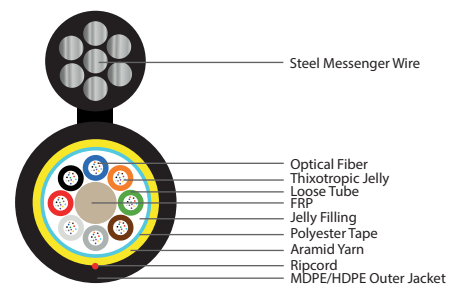
48 Fiber 6x8



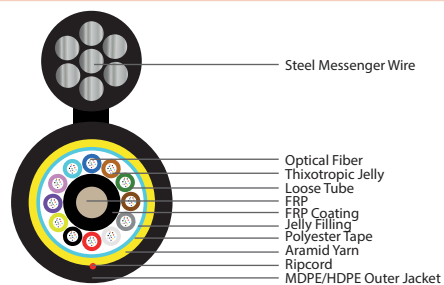
72 Fiber 6x12



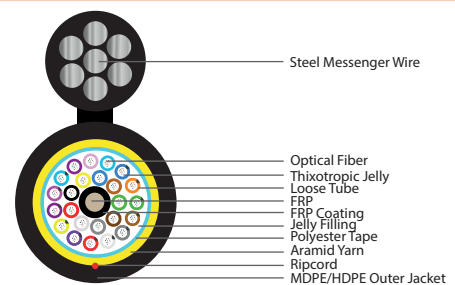
96 Fiber 8x12



144 Fiber 12x12



288 Fiber 24x12



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