

# MULTI TUBE FIBER OPTIC CABLES SJNMA- DRY -PE

A-DQ2Y

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

Multi Tube, Single Sheathed, DRY Fiber Optic Cables



Fiber Optic Cable



APPLICATIONS	CONSTRUCTION
HDPE in long distance and local communication networks, etc. it is used in pipes made of material.	Use Dyed Fiber are placed in the Loose tubes, then twisted by SZ method and Sheathed 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
Tube Filling Compound	Thixotropic Jelly
Filling Material	Water Blocking Tape
Ripcord Type	Polyester Ripcord
Outer Jacket	Black-MDPE/HDPE

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Values	Standards
Tensile Strength (Working)	600 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	1200 N	IEC 60794-1-2 E1
Impact Strength	10 J, 3 impacts	IEC 60794-1-2 E4
Crushing Strength	500 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±0.5	66
24	6	0	1.85±0.05	9.4±0.5	69
48	4	2	1.85±0.05	9.4±0.5	69
48	6	0	1.85±0.05	9.4±0.5	68
72	6	0	1.85±0.05	9.4±0.5	70
96	8	0	1.85±0.05	10.4±0.5	94
144	12	0	1.85±0.05	12.8±0.5	130
288	24	0	2.1±0.05	16.3±0.5	201

**CONSTRUCTION**

<p>24 Fiber 2x12</p>	<p>24 Fiber 6x4</p>
<p>48 Fiber 4x12</p>	<p>48 Fiber 6x8</p>
<p>72 Fiber 6x12</p>	<p>96 Fiber 8x12</p>
<p>144 Fiber 12x12</p>	<p>288 Fiber 24x12</p>

# MULTI TUBE FIBER OPTIC CABLES SJNMA- DRY -PE



Fiber Optic Cable

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