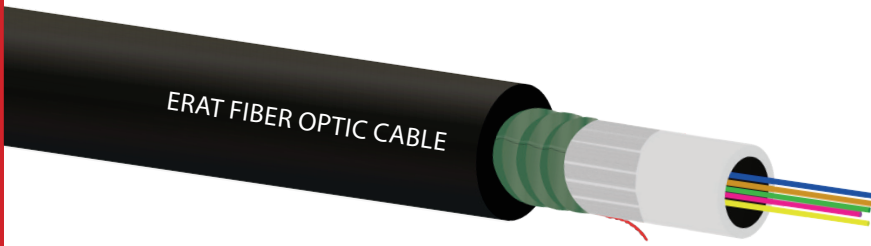


# SINGLE TUBE FIBER OPTIC CABLES SJCSA- PE

A-DQ(ZN)(SR)2Y

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

Single Tube, Corrugated Steel Armoured, Single Jacket Fiber Optic Cables



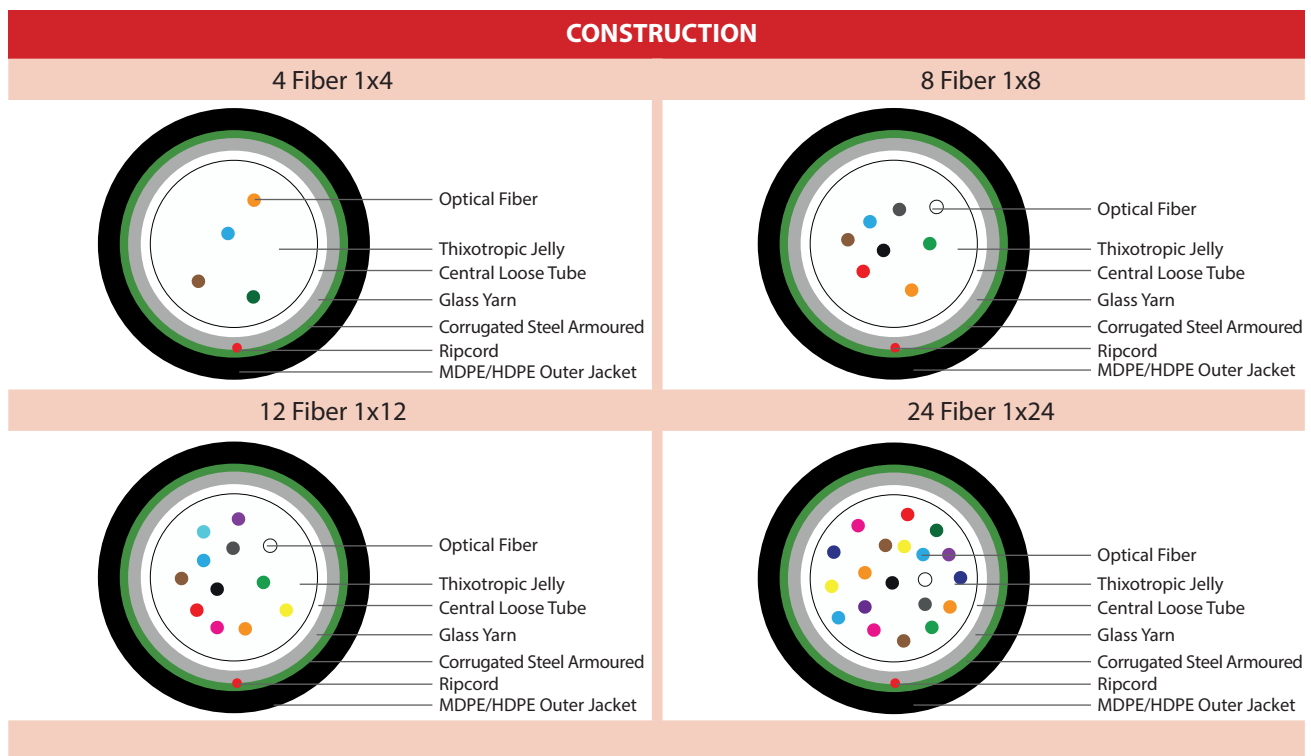
APPLICATIONS	CONSTRUCTION
It is used in long-distance and local communications networks, either within pipes made of materials such as HDPE or buried directly in the ground.	The colored optical fibers are placed inside the central buffer tube, then, sufficient amount of glass yarn and steel tape are applied as armor, then it is sheathed with MDPE/HDPE material. It has water blocking properties.

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
Ripcord Type	Aramid Ripcord
Armor Material	Corrugated Steel Armoured
Outer Jacket	Black-MDPE/HDPE

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Values	Standards
Tensile Strength (Operation)	800 N	IEC 60794-1-2 E1
Tensile Strength (Installation)	1200 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	-10 to +60 °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	Plywood Reel

TECHNICAL DATA					
Fiber Count	Tube Count	Filler Count	Tube Diameter (mm)	Cable Diameter (mm)	Approximate Weight (kg/km)
4	1	0	2.0±0.05	6.2 ±0.5	42
8	1	0	2.0±0.05	6.2 ±0.5	43
12	1	0	2.0±0.05	6.2 ±0.5	43
24	1	0	2.8±0.05	7.2 ±0.5	55



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