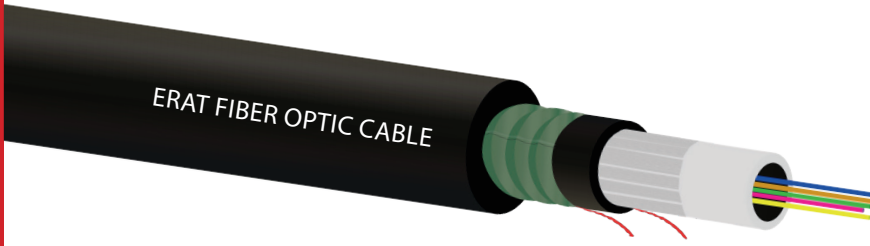


# SINGLE TUBE FIBER OPTIC CABLES DJCSA - PE

A-DQ(ZN)2Y(SR)2Y

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

Single Tube, Corrugated Steel Tape, Double Sheathed Fiber Optic Cables



APPLICATIONS	CONSTRUCTION
HDPE in long distance and local communication networks, etc. it is used in a pipe made of the material or by burying it directly in the ground.	Fiber painted into the central buffer tube it is placed, then covered with Decal sheath along with glass yarn. As Corrugated Steel Tape Armor is applied. It is 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
Loose Tube Color	Natural
Tube Filling Compound	Thixotropic Jelly
Strength Member	Glass Yarn
Inner Sheath	Black - LLDPE Sheath
Armor Material	Corrugated Steel Tape
Outer Jacket	Black-MDPE/HDPE

## MECHANICAL AND ENVIRONMENTAL PROPERTIES

Physical Tests	Values	Standards
Tensile Strength (Working)	1000 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	1800 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)	Outer Diameter (mm)	Approximate Weight (kg/km)
2	1	0	2.4±0.05	10.4 ±0.5	97
4	1	0	2.4±0.05	10.4 ±0.5	97
6	1	0	2.4±0.05	10.4 ±0.5	97
8	1	0	2.4±0.05	10.4 ±0.5	97
12	1	0	2.4±0.05	10.4 ±0.5	97
24	1	0	2.8±0.05	10.4 ±0.5	101

**CONSTRUCTION**

2 Fiber 1x2	4 Fiber 1x4
<ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Central Loose Tube</li> <li>Glass Yarn</li> <li>LLDPE Inner Sheath</li> <li>Corrugated Steel Tape</li> <li>Ripcord</li> <li>MDPE/HDPE Outer Jacket</li> </ul>	<ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Central Loose Tube</li> <li>Glass Yarn</li> <li>LLDPE Inner Sheath</li> <li>Corrugated Steel Tape</li> <li>Ripcord</li> <li>MDPE/HDPE Outer Jacket</li> </ul>
6 Fiber 1x6	8 Fiber 1x8
<ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Central Loose Tube</li> <li>Glass Yarn</li> <li>LLDPE Inner Sheath</li> <li>Corrugated Steel Tape</li> <li>Ripcord</li> <li>MDPE/HDPE Outer Jacket</li> </ul>	<ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Central Loose Tube</li> <li>Glass Yarn</li> <li>LLDPE Inner Sheath</li> <li>Corrugated Steel Tape</li> <li>Ripcord</li> <li>MDPE/HDPE Outer Jacket</li> </ul>
12 Fiber 1x12	24 Fiber 1x24
<ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Central Loose Tube</li> <li>Glass Yarn</li> <li>LLDPE Inner Sheath</li> <li>Corrugated Steel Tape</li> <li>Ripcord</li> <li>MDPE/HDPE Outer Jacket</li> </ul>	<ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Central Loose Tube</li> <li>Glass Yarn</li> <li>LLDPE Inner Sheath</li> <li>Corrugated Steel Tape</li> <li>Ripcord</li> <li>MDPE/HDPE Outer Jacket</li> </ul>

## SINGLE TUBE FIBER OPTIC CABLES DJCSA - PE



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