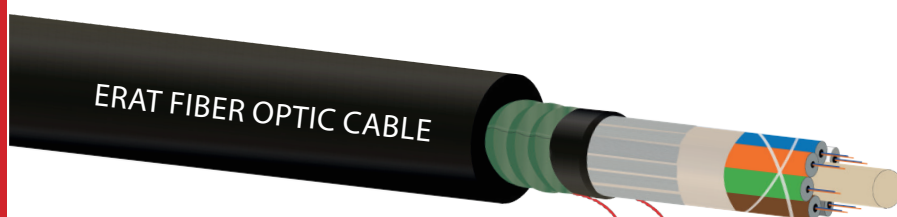


**MULTI TUBE FIBER OPTIC CABLES DJCSA - GLASS YARN - DRY - PE**  
**A-DQ(ZN)2Y(SR)2Y**  
**IEC 60793-1-2, IEC 60794-3-12**  
**Multi Tube, Double Sheathed, DRY Fiber Optic Cables**



APPLICATIONS	CONSTRUCTION
Internal and external for short distance and heavy working conditions in communication networks, campus backbone structure HDPE etc. in external applications. made of material It is used in pipes or directly buried in the ground.	Dyed fibers are placed in loose tubes, It is then reinforced with glass yarn. It is coated with LLDPE material. It is sheathed with MDPE/HDPE material by applying Corrugated Steel Tape Armor. It has water blocking feature.

**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	Glass Yarn
Inner Sheath	Black-LLDPE Sheath
Armor Material	Corrugated Steel Tape
Ripcord Type	Aramid Yarn Ripcord
Outer Jacket	Black-MDPE/HDPE

**MECHANICAL AND ENVIRONMENTAL PROPERTIES**

Physical Tests	Values	Standards
Tensile Strength (Working)	2000 N	IEC 60794-1-2 E1
Tensile Strength (Assembly)	2500 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	11.6±0.5	157
24	6	0	1.85±0.05	11.6±0.5	160
48	4	2	1.85±0.05	11.6±0.5	159
48	6	0	1.85±0.05	11.6±0.5	160
72	6	0	1.85±0.05	11.6±0.5	161
96	8	0	1.85±0.05	12.6±0.5	190
144	12	0	1.85±0.05	15.2±0.5	243
288	24	0	2.1±0.05	18.6±0.5	333

CONSTRUCTION	
<p>24 Fiber 2x12</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>Water Blocking Tape</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>	<p>24 Fiber 6x4</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>Water Blocking Tape</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>
<p>48 Fiber 4x12</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>Water Blocking Tape</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>	<p>48 Fiber 6x8</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>Water Blocking Tape</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>
<p>72 Fiber 6x12</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>Water Blocking Tape</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>	<p>96 Fiber 8x12</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>Water Blocking Tape</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>
<p>144 Fiber 12x12</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>FRP Coating</li> <li>Water Blocking Tape</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>	<p>288 Fiber 24x12</p> <ul style="list-style-type: none"> <li>Optical Fiber</li> <li>Thixotropic Jelly</li> <li>Loose Tube</li> <li>FRP</li> <li>FRP Coating</li> <li>Water Blocking Tape</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>

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