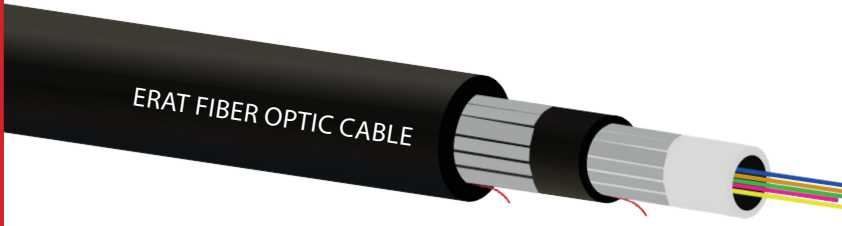


SINGLE TUBE FIBER OPTIC CABLES DJNMA - PE

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

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

Single Tube, Non-Metallic, 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 a sufficient amount of fiberglass is applied as Armor Material. It is coated with LLDPE Decking, then the outer casing is discarded 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 |
| 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) | 1600 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) |
|-------------|------------|--------------|--------------------|---------------------|----------------------------|
| 2 | 1 | 0 | 2.4±0.05 | 9.0 ±0.5 | 58 |
| 4 | 1 | 0 | 2.4±0.05 | 9.0 ±0.5 | 58 |
| 6 | 1 | 0 | 2.4±0.05 | 9.0 ±0.5 | 58 |
| 8 | 1 | 0 | 2.4±0.05 | 9.0 ±0.5 | 58 |
| 12 | 1 | 0 | 2.4±0.05 | 9.0 ±0.5 | 58 |
| 24 | 1 | 0 | 2.8±0.05 | 9.5 ±0.5 | 65 |

CONSTRUCTION

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

▶ SINGLE TUBE FIBER OPTIC CABLES DJNMA - 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 |