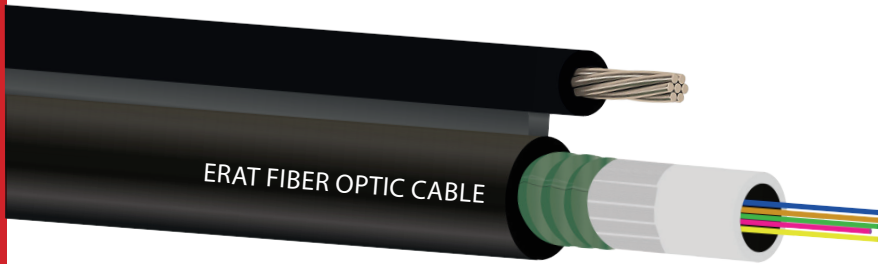


FIGURE 8 SINGLE TUBE FIBER OPTIC CABLES SJCSA-PE

A-DQ(ZN)(SR)T2Y

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

Single Tube, Corrugated Steel Tape, Non-Metallic, Steel Messenger
Wire Single Sheathed Fiber Optic Cables



| APPLICATIONS | CONSTRUCTION |
|---|---|
| Overhead in long distance and local communication networks it is used by hanging from the messenger between the poles on the lines. | Fiber painted into the central buffer tube it is placed, then the glass yarn together It is applied as Corrugated Steel Tape Armor. It is Sheathed with MDPE/HDPE material together with Messenger. |

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 |
| Messenger | 7x 0.92 mm Steel Wire (can be changed according to customer demand) |
| The Outer Diameter of the Messenger | 5.1 mm (The outer diameter of the messenger depends on the diameter of the Steel wire.) |
| Armor Material | Corrugated Steel Tape |
| Outer Jacket | Black-MDPE/HDPE |

MECHANICAL AND ENVIRONMENTAL PROPERTIES

| Physical Tests | Values | Standards |
|-----------------------------|---------------------|-------------------|
| Tensile Strength (Working) | 2800 N | IEC 60794-1-2 E1 |
| Tensile Strength (Assembly) | 4000 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 | Plywood Reel and Wooden Reel |

FIGURE 8 SINGLE TUBE FIBER OPTIC CABLES SJCSA-PE
7X STEEL WIRE



| 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 | 7.2*14.9±0.5 | 123 |
| 4 | 1 | 0 | 2.4±0.05 | 7.2*14.9±0.5 | 123 |
| 6 | 1 | 0 | 2.4±0.05 | 7.2*14.9±0.5 | 123 |
| 8 | 1 | 0 | 2.4±0.05 | 7.2*14.9±0.5 | 123 |
| 12 | 1 | 0 | 2.4±0.05 | 7.2*14.9±0.5 | 123 |
| 24 | 1 | 0 | 2.8±0.05 | 7.2*14.9±0.5 | 125 |

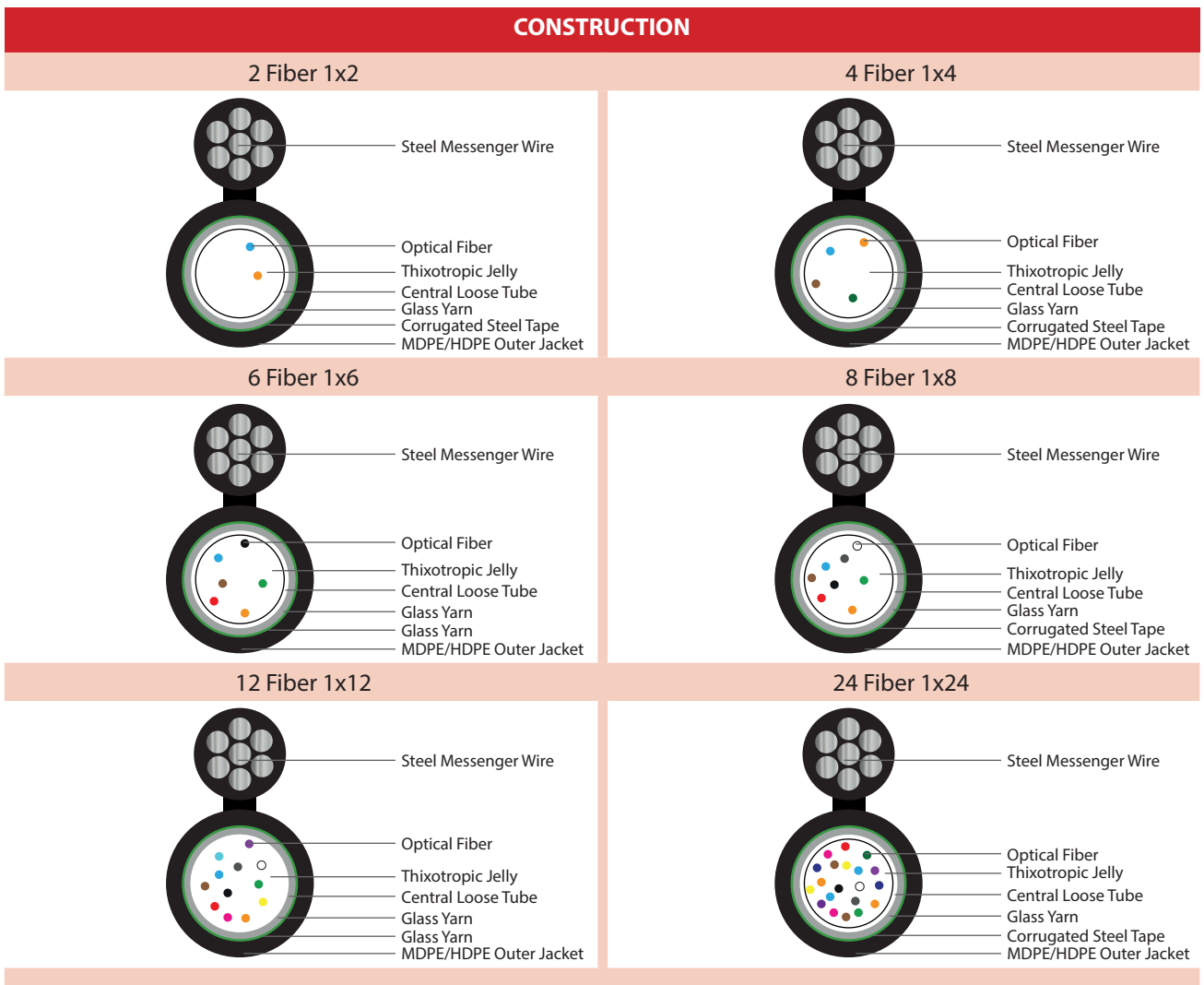


FIGURE 8 TYPE SINGLE TUBE FIBER OPTIC CABLES SJCSA-PE
7X STEEL WIRE



| 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 |