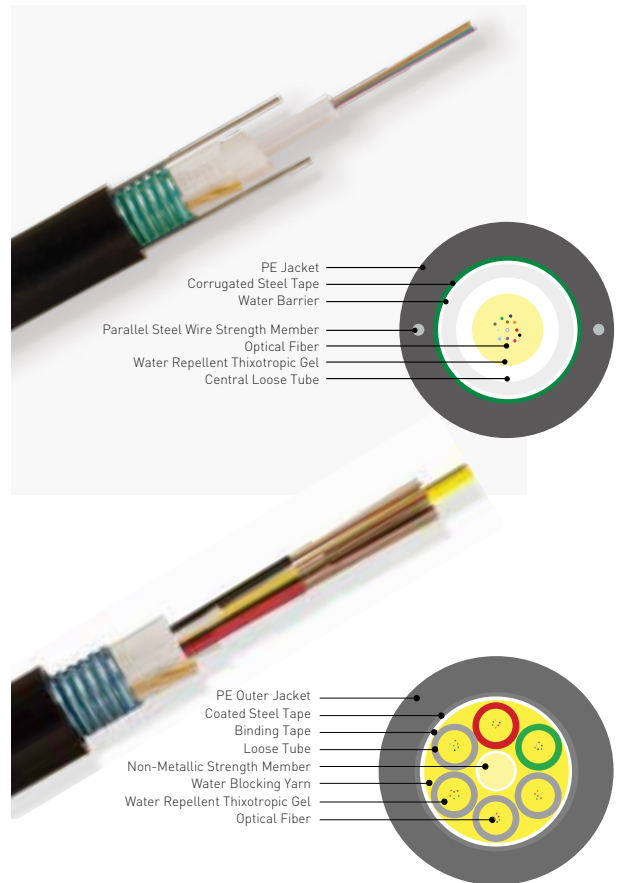


# CORRUGATED STEEL TAPE ARMOURED

FIBER-REX single loose tube corrugated steel tape armoured cables are constructed of 250µm fibers held in a gel filled central loose tube surrounded by water-blocking tape and corrugated, polyethylene laminated steel tape. The cable features two parallel steel wire strength members embedded in a polyethylene (PE) or Low Smoke Zero Halogen (LSZH) outer jacket.

FIBER-REX multi loose tube cable construction consists of 12 to 144 250 µm optical fibers in 12 fiber gel filled loose tubes with fillers where appropriate, SZ stranded around a jacketed Fiber Reinforced Plastic (FRP) central strength member with water swellable threads and water swellable tape. Helically applied waterblocking e-glass non metallic strength members with ripcord. Corrugated Steel Tape (CST) armouring and black High Density Polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.

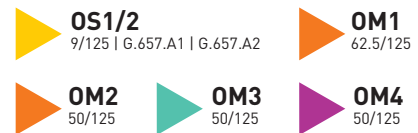


## ★ Features

- Choice of fiber type
- Colour coded fibers
- High water resistant
- High crush resistant
- Choice outer sheath material
- Customized jacket print legend

## ✔ Applications

- Suitable for external applications in ducts
- Aerial application
- Direct burial



## ⚙️ Technical Specification

| Parameter                   | UOM         | Value   |          |   |           |           |           |           |
|-----------------------------|-------------|---|----------|---|-----------|-----------|-----------|-----------|
|                             |             | Single Loose Tube STA Cable                                 |          | Multi Loose Tube CST Cable                                  |           |           |           |           |
| Fiber core                  |             | 4-8F  | 12-24F   | 24-60   | 72        | 96        | 120       | 144       |
| Outer diameter              | mm          | 8.0 ±0.3  | 8.8 ±0.3 | 10.5 ±0.5   | 11.5 ±0.5 | 13.5 ±0.5 | 15.8 ±0.5 | 15.8 ±0.5 |
| Insertion loss              | dB/km       | SM: <0.4@1310nm, <0.3@1550nm<br>MM: <3.5@850nm, <1.5@1300nm |          | SM: <0.4@1310nm, <0.3@1550nm<br>MM: <3.0@850nm, <1.0@1300nm |           |           |           |           |
| Long term tensile strength  | N           | 500   | 500      | 600   | 600       | 600       | 600       | 800       |
| Short term tensile strength | N           | 1500  | 1800     | 1500  | 1500      | 1500      | 2000      | 2500      |
| Long term crush resistance  | N           | 1000  |          | 300   |           |           |           |           |
| Short term crush resistance | N           | 3000  |          | 1000  |           |           |           |           |
| Storage temperature         | °C          | -40 ~ +70   |          | -40 ~ +70   |           |           |           |           |
| Operating temperature       | °C          | -40 ~ +70   |          | -40 ~ +70   |           |           |           |           |
| Cable weight                | kg/km       | 62  | 78       | 112   | 138       | 165       | 222       | 222       |
| Reel dimension (2km/reel)   | WxDia. (mm) | 550x700   | 550x850  | 550x950   | 800x1000  | 800x1050  | 800x1150  |           |
| Reel weight                 | kg          | 25  | 30       | 42  | 45        | 48        | 50        | 50        |

## 🛒 Ordering Information

| Cable Type                       | Fiber Core       |                 | Fiber Type | Outer Sheath Material | Outer Sheath Color | Length |
|----------------------------------|------------------|-----------------|------------|-----------------------|--------------------|--------|
|                                  | Single STA Cable | Multi CST Cable |            |                       |                    |        |
| SLTA=Single Loose Tube STA Cable | 4                | 24              | SM=OS1/OS2 | LZ=LSZH               | OR=Orange          | 1=1KM  |
| MLTA=Multi Loose Tube CST Cable  | 6                | 48              | M1=OM1     | PE=PE                 | PR=Purple          | 2=2KM  |
|                                  | 8                | 60              | M2=OM2     |                       | YE=Yellow          | 4=4KM  |
|                                  | 12               | 72              | M3=OM3     |                       | BL=Blue            |        |
|                                  | 24               | 96              | M4=OM4     |                       | AQ=Aqua            |        |
|                                  |                  | 120             | A1=G657A1  |                       | GR=Green           |        |
|                                  |                  | 144             | A2=G657A2  |                       |                    |        |