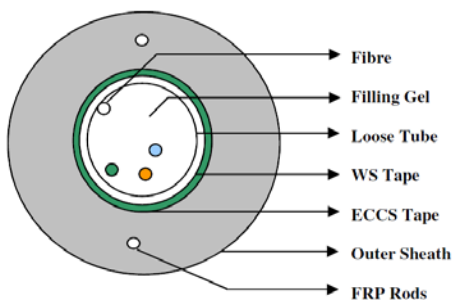


# Outdoor Unitube Armoured Cable

Actassi Unitube Armoured cable is constructed with jelly filled central tube. The construction provides ultimate strain relief to fibres in extreme installation service conditions. All fibres are housed in central tube, strength is imparted by two FRP rods embedded in HDPE sheath. Corrugated steel armour makes it direct burial type cable.



**Product Features:**

- The central tube is filled with water resistant compound plus additional surrounded water swellable tape give extra protection against moisture
- The Steel Armour provides rodent and lightning protection
- This cable can be used in underground conduit, direct buried or aerial applications
- Complies with ANSI/TIA 568.C-3 ISO/IEC 11801

### Cable Construction Details

|                            |  |             |
|----------------------------|--|-------------|
| Number of Fibre Per Tube   | 6-12 (SM, MM)  |             |
| Colours                    | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua |             |
| Number of Loose Tubes      | 1  |             |
| Colours                    | Natural  |             |
| Loose Tube ID/OD           | 1.7/2.5 ± 0.1 mm   | PBT         |
| Peripheral Strength Member | 1.0 ± 0.05 mm  | FRP Rod X 2 |
| Moisture Barrier           | Water Swellable Tape   |             |
| Armouring                  | 0.15 mm  | ECCS Tape   |

### Technical Data-Physical

|                               |                    |
|-------------------------------|--------------------|
| Overall Cable Diameter        | 9 ± 0.5 mm         |
| Cable Weight                  | 75 ± 10 kg/km      |
| Outer Sheath (min.)           | 1.8mm HDPE - Black |
| Cladding Diameter             | 125 ± 1 µm         |
| Coating Diameter (Uncoloured) | 250 ± 15 µm        |

### Temperature Performance

|              |                  |
|--------------|------------------|
| Installation | -20 °C to +70 °C |
| Operation    | -10 °C to +70 °C |
| Storage      | -10 °C to +70 °C |

### Technical Data-Mechanical

|                     |        |
|---------------------|--------|
| Tensile Strength    | 1000N  |
| Crush Resistance    | 2000N  |
| Minimum Bend Radius | 20 x D |

| Technical Data - Transmission |             |        |        |        |           |         |
|-------------------------------|-------------|--------|--------|--------|-----------|---------|
| Items                         | Attenuation |        |        |        | Bandwidth |         |
| Fibre Type                    | 850 nm      | 1300nm | 1310nm | 1550nm | 850 nm    | 1300 nm |
| Unit                          | db/km       | db/km  | db/km  | db/km  | MHz/km    | MHz/km  |
| G.652D (OS2)                  | -           | -      | ≤ 0.36 | ≤ 0.22 | -         | -       |
| OM1                           | ≤ 3.0       | ≤ 1.0  | -      | -      | ≥ 200     | ≥ 500   |
| OM2                           | ≤ 3.0       | ≤ 1.0  | -      | -      | ≥ 500     | ≥ 500   |
| OM3                           | ≤ 3.0       | ≤ 1.0  | -      | -      | ≥ 1500    | ≥ 500   |
| OM4                           | ≤ 3.0       | ≤ 1.0  | -      | -      | ≥ 3500    | ≥ 500   |

| Product Number   | Description  |
|------------------|--|
| ACTUDGCTQQSM9_E  | OUTDOOR ARMOURED UNITUBE FIBER CABLE SINGLE-MODE QQ-CORE HDPE<br>(QQ – Number of Fibre Core [06, 12, 24, 48])    |
| ACTUDGCTQQMM6_E  | OUTDOOR ARMOURED UNITUBE FIBER CABLE MULTI-MODE OM1 QQ-CORE<br>HDPE (QQ – Number of Fibre Core [06, 12, 24, 48]) |
| ACTUDGCTQQMM5_E  | OUTDOOR ARMOURED UNITUBE FIBER CABLE MULTI-MODE OM2 QQ-CORE<br>HDPE (QQ – Number of Fibre Core [06, 12, 24, 48]) |
| ACTUDGCTQQMM5T_E | OUTDOOR ARMOURED UNITUBE FIBER CABLE MULTI-MODE OM3 QQ-CORE HDPE<br>(QQ – Number of Fibre Core [06, 12, 24, 48]) |
| ACTUDGCTQQMM5X_E | OUTDOOR ARMOURED UNITUBE FIBER CABLE MULTI-MODE OM4 QQ-CORE HDPE<br>(QQ – Number of Fibre Core [06, 12, 24, 48]) |

\*\* Standard Reel Length: 4KM

\*\* Other cores or lengths may be available upon request.