

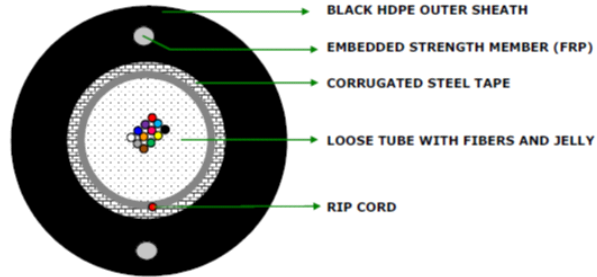
# Honeywell

## SM(OS2) FIBER CABLE UNITUBE ARMORED HDPE/LSZH SHEATH

HONEYWELL Fiber optic cable single mode armored Unitube design is suitable for Outdoor network connectivity. Unitube design has Thixotropic jelly inside to prevent water ingress in loose tube. Two FRP rods as embedded strength members provide excellent tensile strength.

### Features

- Single Mode OS2 Outdoor Fiber
- Unitube Armored Design
- 6 Fiber and 12 Fiber Cores
- Single HDPE/LSZH Sheath
- Excellent Optical and Mechanical Properties



### Technical Specifications

| FIBER                                  |  |
|--|--|
| Single Mode Optical Fiber              | SM (OS2) ITU.T - G.652D                                  |
| Maximum Cabled Fiber Attenuation dB/Km | 1310nm : < 0.36 ; 1550nm : < 0.22                        |
| LOOSE TUBE                             |  |
| Filling Jelly                          | Thixotropic Jelly To Prevent Water Ingress In Loose Tube |
| Tube 1 No.                             | Thermoplastic Material (PBT)                             |
| CABLE                                  |  |
| Embedded Strength Member 2 Nos.        | FRP/Steel Wire To Provide Tensile Strength               |
| Rip Cord                               | Polyester Based Yarns Below Armor Tape For Easy Ripping  |
| Armour                                 | Corrugated ECCS Tape                                     |
| Outer Sheathing                        | Black HDPE 2.0 mm Nominal Thickness                      |

| OPTICAL FIBRE CABLE PERFORMANCE   |                                    |   |                 |
|---|------------------------------------|---|-----------------|
| MECHANICAL (Test Standard - IEC 60794-1-2)  |                                    | ENVIRONMENTAL (Test Standard IEC 60794-1-2) |                 |
| <b>Tensile Strength, Method E1</b> 1500   |                                    | <b>*Temp, Performance, Method F1</b>        |                 |
| <b>Bend Radius, Method E11</b> 20 D   | <b>Crush, Method E3</b> 2000/100mm | <b>Installation</b>                         | -10°C to +60°C  |
| <b>-During Installation</b> 20 D  | <b>Impact, Method E4</b> 25Nm      | <b>Operation</b>                            | -30°C to +70°C  |
| <b>-After Installation</b> 10 D   | <b>Torsion, Method E7</b> ±180°    | <b>Storage</b>                              | -30°C to + 70°C |
| <b>Tests shall be carried out as per IEC Standards, Change in attenuations shall be &lt;0.5dB/km.*Max. change in attenuation shall be &lt;/=0.15dB/km</b> |                                    |   |                 |

| PHYSICAL DETAILS |                |            |            |              |  |                   |                 |                          |
|------------------|----------------|------------|------------|--------------|--|-------------------|-----------------|--------------------------|
| Fibre Count      | Fibre Per Tube | No of Tube | Tube Color | Sheath Color | Fibre Color  | Diameter of Cable | Weight of Cable | Cable Length in one reel |
| Numbers          | Numbers        | Numbers    |            |              |  | (mm)+/0.5         | (kg/km) +/-10%  | (Kelometers) +/-10%      |
| 6                | 6              | 1          | Any Color  | Black        | Black, Orange, Green, Brown, Slate, White.                                       | 7.5               | 60              | 2                        |
| 12               | 12             | 1          | Any Color  | Black        | Black, Orange, Green, Brown, Slate, White, Red Black, Yellow, Violet, Pink, Aqua | 7.5               | 60              | 2                        |

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FIBER



## Ordering Information (Part Codes And Description)

| No.     | PartCode                         | Description                                     |
|---------|----------------------------------|---|
| SM HDPE | HC001101/FBR/SM/UT/OD/ARM/HD/6F  | SM Fiber Cable 6F Unitube Armoured HDPE Sheath  |
| SM HDPE | HC001102/FBR/SM/UT/OD/ARM/HD/12F | SM Fiber Cable 12F Unitube Armoured HDPE Sheath |
| SM LSZH | HC001104/FBR/SM/UT/OD/ARM/LS/6F  | SM Fiber Cable 6F Unitube Armoured LSZH Sheath  |
| SM LSZH | HC001105/FBR/SM/UT/OD/ARM/LS/12F | SM Fiber Cable 12F Unitube Armoured LSZH Sheath |

History  
Rev. 1.1, Feb 2022

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