

## OFYX™ Fiber optic cable Single-mode OS2, Indoor/Outdoor, 12 core, Tight Buffer, LSZH, Dielectric Armoured

MODEL NUMBER : FCOFYX-SM1T3DNS012F



### Specifications :

| Product Classification         |                                                                               |
|--------------------------------|-------------------------------------------------------------------------------|
| Regional Availability          | Asia   Europe   Middle East   Africa                                          |
| Portfolio                      | OFYX®                                                                         |
| Product Type                   | Fiber Indoor/Outdoor cable                                                    |
| Product Series                 | SM Fiber                                                                      |
| General Specifications         |                                                                               |
| Subunit Type                   | Gel-free                                                                      |
| Flame Rating                   | Flame-retardant   non-corrosive/low-smoke   zero-halogen (FRNC/LSZH) material |
| Cable Type                     | Single Tube                                                                   |
| Construction Type <sup>1</sup> | Dielectric Armour                                                             |
| Application                    | Aerial   Direct Buried   Duct   General Purpose Horizontal                    |
| Cable Design                   |                                                                               |
| Fiber Count                    | 12F                                                                           |
| Number of ripcords             | 2 ripcords                                                                    |
| Fiber per tube                 | 12F                                                                           |
| Outer jacket colour            | Black.                                                                        |

|                                        |                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------|
| Outer Jacket Material                  | Flame-retardant   non-corrosive/low-smoke   silicon-free   zero-halogen (FRNC/LSZH) material |
| REACH Regulation                       | REACH Declaration                                                                            |
| Mechanical Specifications              |                                                                                              |
| Minimum Bend Radius, operation         | 74 mm (2.91 in)                                                                              |
| Nominal outer diameter                 | 7.4 mm (0.29 in)                                                                             |
| Max. tensile strength for installation | 1350 N (303.49 lbf)                                                                          |
| Crush resistance                       | 2500 N/10 cm                                                                                 |
| Minimum Bend Radius, installation      | 111 mm (4.37 in)                                                                             |
| Optical Specifications                 |                                                                                              |
| Fibre category                         | OS2                                                                                          |
| Cable cutoff wavelength                | 1260 nm                                                                                      |
| Fibre name                             | OFYX                                                                                         |
| Fibre compliance                       | ITU-T G.652.D/G.657.A1                                                                       |
| Dispersion @ 1550 nm                   | 18 nm                                                                                        |
| Dispersion @ 1625 nm                   | 22 nm                                                                                        |
| Maximum Attenuation                    | 0.4 dB/km / 0.4 dB/km / 0.3 dB/km                                                            |
| Wavelengths                            | 1310 nm / 1383 nm / 1550 nm                                                                  |
| Fibre Type                             | Single-mode                                                                                  |
| Environmental Specifications           |                                                                                              |
| Temperature range, installation        | -10 °C to 60 °C (14 °F to 140 °F)                                                            |
| Temperature range, operation           | -30 °C to 70 °C (-22 °F to 158 °F)                                                           |
| Temperature range, storage             | -40 °C to 70 °C (-40 °F to 158 °F).                                                          |
| Regulatory Compliance/Certifications   |                                                                                              |
| Design and Test Criteria               | ANSI/ICEA S-104-696   NFPA 262 (for plenum - riser and general building applications).       |
| ROHS                                   | Free of hazardous substances according to RoHS 2011/65/EU                                    |

## Approvals and Listings

Flame retardant according to IEC 60332-1-2 (single cable) | IEC 60332-3-24 (bunch of cables) | Low smoke according to IEC 61034 | Non-corrosive according to IEC 60754-2 | Reaction to fire according to EN 50575 and EN 13501-6