

# OFYX™ Fiber optic cable Single-mode OS2, Indoor/Outdoor, 6 core, Loose Tube, LSZH, Dielectric Armoured

MODEL NUMBER : FCOFYX-SM1L3DNS006F



## Specifications :

| Classement du produit          |                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------|
| Regional Availability          | Asia   Europe   Middle East   Africa                                                         |
| Portfolio                      | OFYX®                                                                                        |
| Product Type                   | Fiber Indoor/Outdoor cable                                                                   |
| Product Series                 | SM Fiber                                                                                     |
| Spécifications générales       |                                                                                              |
| Subunit Type                   | Gel-free                                                                                     |
| Flame Rating                   | Flame-retardant   non-corrosive/low-smoke   zero-halogen (FRNC/LSZH) material                |
| Cable Type                     | Loose Tube                                                                                   |
| Construction Type <sup>1</sup> | Dielectric Armour                                                                            |
| Application                    | Aerial   Direct Buried   Duct   General Purpose Horizontal                                   |
| Cable Design                   |                                                                                              |
| Fiber Count                    | 6F                                                                                           |
| Number of ripcords             | 2 ripcords                                                                                   |
| Fiber per tube                 | 4F                                                                                           |
| Outer jacket colour            | Black.                                                                                       |
| Outer Jacket Material          | Flame-retardant   non-corrosive/low-smoke   silicon-free   zero-halogen (FRNC/LSZH) material |

|                                             |                                                                                                                                                                                                                                  |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation                            | REACH Declaration                                                                                                                                                                                                                |
| <b>Mechanical Specifications</b>            |                                                                                                                                                                                                                                  |
| 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)                                                                                                                                                                                                                 |
| <b>Optical Specifications</b>               |                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                      |
| <b>Environmental Specifications</b>         |                                                                                                                                                                                                                                  |
| 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 ).                                                                                                                                                                                             |
| <b>Regulatory Compliance/Certifications</b> |                                                                                                                                                                                                                                  |
| 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 |