

# OFYX™ Fiber optic cable Single-mode OS2, Outdoor, 144 core, Loose Tube, CM, Armoured, Corrugated steel

MODEL NUMBER : **FCOFYX-SM2L2ACS144F**



## Specifications :

| Clasificación del producto |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| Regional Availability      | Asia   Europe   Middle East   Africa                                      |
| Portfolio                  | OFYX®                                                                     |
| Product Type               | Fiber outdoor cable                                                       |
| Product Series             | SM Fiber                                                                  |
| Especificaciones generales |                                                                           |
| Subunit Type               | Gel-free                                                                  |
| Cable Type                 | Loose tube                                                                |
| Construction Type1         | Corrugated steel armour                                                   |
| Application                | Direct Buried   Duct                                                      |
| Environment                | Outdoor                                                                   |
| Cable Design               |                                                                           |
| Fiber Count                | 144                                                                       |
| Number of ripcords         | 2 ripcords                                                                |
| Fibre colouring            | Blue-orange-green-Brown-grey-white-red-black-yellow-violet-pink-turquoise |
| Fiber per tube             | 12F                                                                       |
| Outer jacket colour        | Black.                                                                    |
| Outer jacket material      | High Density Polyethylene (HDPE)                                          |

|                                             |                                                              |
|---------------------------------------------|--------------------------------------------------------------|
| Tape                                        | Water-swellable                                              |
| Tensile strength elements and/or armouring  | Corrugated steel tape armour                                 |
| Tube colour coding, layer 1                 | Blue. Orange. Green. Brown. Grey. White. Red. Black. Yellow. |
| <b>Mechanical Specifications</b>            |                                                              |
| Minimum Bend Radius, operation              | 139 mm                                                       |
| Nominal outer diameter                      | 13.9 mm                                                      |
| Max. tensile strength for installation      | 2200 N                                                       |
| Crush resistance                            | 2500 N/10 cm                                                 |
| Minimum Bend Radius, installation           | 278 mm                                                       |
| <b>Optical Specifications</b>               |                                                              |
| Fibre category                              | OS2                                                          |
| Cable cutoff wavelength                     | 1260 nm                                                      |
| Fibre name                                  | OFYX                                                         |
| Fibre compliance                            | ITU-T G.652.D and ITU-T G.657.A1                             |
| Dispersion @ 1550 nm                        | 18 nm                                                        |
| Dispersion @ 1625 nm                        | 22 nm                                                        |
| Maximum Attenuation                         | 0.34 dB/km / 0.34 dB/km / 0.20 dB/km                         |
| Wavelengths                                 | 1310 nm / 1383 nm / 1550 nm                                  |
| Fibre Type                                  | Single-mode                                                  |
| <b>Environmental Specifications</b>         |                                                              |
| Temperature range, installation             | -5 °C to 50 °C                                               |
| Temperature range, operation                | -20 °C to 60 °C                                              |
| Temperature range, storage                  | -25 °C to 70 °C                                              |
| <b>Regulatory Compliance/Certifications</b> |                                                              |
| ROHS                                        | Free of hazardous substances according to RoHS 2011/65/EU    |
| Approvals and Listings                      | IEC 60794-3-11                                               |
| Waterblocking                               | IEC 60794-1-2                                                |