

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

MODEL NUMBER : FCOFYX-SM2L2ACS144F



### Specifications :

|                        |   |
|------------------------|---|
| Product Classification |   |
| Regional Availability  | Asia   Europe   Middle East   Africa                                      |
| Portfolio              | OFYX®   |
| Product Type           | Fiber outdoor cable   |
| Product Series         | SM Fiber  |
| General Specifications |   |
| 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  |

| Regulatory Compliance/Certifications |   |
|--------------------------------------|---|
| ROHS                                 | Free of hazardous substances according to RoHS 2011/65/EU |
| Approvals and Listings               | IEC 60794-3-11  |
| Waterblocking                        | IEC 60794-1-2   |