

## SPARX® Fiber optic cable Multi-mode OM5, Outdoor, 96 core, Loose Tube, CM, Dielectric armour,

MODEL NUMBER : FCSPARX-M52L2DNS096F



### Specifications :

| Product Classification |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| Regional Availability  | Asia   Europe   Middle East   Africa                                      |
| Portfolio              | SPARX®                                                                    |
| Product Type           | Fiber outdoor cable                                                       |
| Product Series         | MM Fiber                                                                  |
| General Specifications |                                                                           |
| Subunit Type           | Gel-free                                                                  |
| Cable Type             | Loose tube                                                                |
| Construction Type1     | armour                                                                    |
| Application            | Direct Buried   Duct                                                      |
| Cable Design           |                                                                           |
| Fiber Count            | 96F                                                                       |
| 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 | tape armour                                               |
| Tube colour coding, layer 1                | Blue.                                                     |
| Mechanical Specifications                  |                                                           |
| Minimum Bend Radius, operation             | 100 mm                                                    |
| Max. tensile strength for installation     | 600 N                                                     |
| Crush resistance                           | 2500 N/10 cm                                              |
| Minimum Bend Radius, installation          | 200 mm                                                    |
| Optical Specifications                     |                                                           |
| 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                                               |
| Environmental Specifications               |                                                           |
| 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  |