

## SPARX® Fiber optic cable Multi-mode OM3, Indoor/Outdoor, 48 core, Tight Buffer, CMP, Non-Armoured

MODEL NUMBER : FCSPARX-M31T1NNS048F



### Specifications :

| Product Classification         |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Regional Availability          | Asia   Europe   Middle East   Africa                        |
| Portfolio                      | SPARX®                                                      |
| Product Type                   | Fiber Indoor/Outdoor cable                                  |
| Product Series                 | MM Fiber                                                    |
| General Specifications         |                                                             |
| Subunit Type                   | Gel-free                                                    |
| Flame Rating                   | Plenum (OFNP)                                               |
| Cable Type                     | Tight Buffer Tube                                           |
| Construction Type <sup>1</sup> | Non-armored                                                 |
| Application                    | Duct   General Purpose Horizontal   Vertical Riser   Plenum |
| Cable Design                   |                                                             |
| Fiber Count                    | 48F                                                         |
| Number of ripcords             | 1 ripcord                                                   |

|                                         |                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------|
| Fiber per tube                          | 1F                                                                                     |
| Outer jacket colour                     | Aqua.                                                                                  |
| Central element                         | Yarn                                                                                   |
| Outer Jacket Material                   | Flame-Retardant   UV-Resistant                                                         |
| Mechanical Specifications               |                                                                                        |
| Minimum Bend Radius, operation          | 135 mm                                                                                 |
| Nominal outer diameter                  | 9.1 mm                                                                                 |
| Max. tensile strength for installation  | 2000 N                                                                                 |
| Crush resistance                        | 1500 N/10 cm                                                                           |
| Minimum Bend Radius, installation       | 160 mm                                                                                 |
| Optical Specifications                  |                                                                                        |
| Fibre Type                              | Multimode or OM3                                                                       |
| Fibre category                          | OM3                                                                                    |
| Maximum Attenuation                     | 3.0 dB/km / 1.0 dB/km                                                                  |
| Wavelengths                             | 850 nm / 1300 nm                                                                       |
| Fiber Core Diameter                     | 50 µm                                                                                  |
| Minimum Effective Modal Bandwidth (EMB) | 2000 MHz/km                                                                            |
| Min. Overfilled Launch (OFL) Bandwidth  | 1500 MHz*km / 500 MHz*km                                                               |
| Environmental Specifications            |                                                                                        |
| Temperature range, installation         | 0 °C to 60 °C (32 °F to 140 °F )                                                       |
| Temperature range, operation            | -40 °C to 70 °C (-40 °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                              |

