

## SPARX® Fiber optic cable Multi-mode OM3, Indoor/Outdoor, 24 core, Single Tube, LSZH, Dielectric Armoured

MODEL NUMBER : FCSPARX-M31S3DNS024F



### 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                   | Flame-retardant   non-corrosive/low-smoke   zero-halogen (FRNC/LSZH) material               |
| Cable Type                     | Single Tube                                                                                 |
| Construction Type <sup>1</sup> | Dielectric Armour                                                                           |
| Application                    | Aerial   Direct Buried   Duct   General Purpose Horizontal                                  |
| Cable Design                   |                                                                                             |
| Fiber Count                    | 24F                                                                                         |
| Number of ripcords             | 2 ripcords                                                                                  |
| Fibre colouring                | Blue   Orange   Green   Brown   Slate   White   Red   Black   Yellow   Violet   Rose   Aqua |

|                                                     |                                      |
|-----------------------------------------------------|--------------------------------------|
| Fiber per tube                                      | 12F                                  |
| Outer jacket colour                                 | Black.                               |
| Outer Jacket Material                               | Flame-Retardant   UV-Resistant       |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members          |
| Tube Color                                          | Aqua..                               |
| REACH Regulation                                    | REACH Declaration                    |
| Mechanical Specifications                           |                                      |
| 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                                    | 2000 N/10 cm                         |
| Minimum Bend Radius, installation                   | 111 mm (4.37 in)                     |
| Optical Specifications                              |                                      |
| Fibre category                                      | OM3                                  |
| Maximum Attenuation                                 | 3.0 dB/km / 1.0 dB/km                |
| Wavelengths                                         | 850 nm / 1300 nm                     |
| Fibre Type                                          | Multimode                            |
| 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                     | -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 ). |
| 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                                                                                                                                                                        |
| 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 |