

## SPARX® Fiber optic cable Multi-mode OM4, Indoor/Outdoor, 24 core, Loose Tube, CMP, Dielectric Armoured

MODEL NUMBER : **FCSPARX-M41L1DNS024F**



### Specifications :

| Clasificación del producto     |                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------|
| Regional Availability          | Asia   Europe   Middle East   Africa                                                 |
| Portfolio                      | SPARX®                                                                               |
| Product Type                   | Fiber Indoor/Outdoor cable                                                           |
| Product Series                 | MM Fiber                                                                             |
| Especificaciones generales     |                                                                                      |
| Subunit Type                   | Gel-free                                                                             |
| Flame Rating                   | Plenum (OFNP)                                                                        |
| Cable Type                     | Loose Tube                                                                           |
| Construction Type <sup>1</sup> | Dielectric Armour                                                                    |
| Application                    | Aerial   Direct Buried   Duct   General Purpose Horizontal   Vertical Riser   Plenum |
| Cable Design                   |                                                                                      |
| Fiber Count                    | 24F                                                                                  |
| Number of ripcords             | 2 ripcords                                                                           |
| Fibre colouring                | Blue-orange-green-brown                                                              |
| 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                                                                     |
| <b>Mechanical Specifications</b>                    |                                                                                       |
| 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)                                                                      |
| <b>Optical Specifications</b>                       |                                                                                       |
| Fibre category                                      | OM4                                                                                   |
| 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)             | 4700MHz/km                                                                            |
| Min. Overfilled Launch (OFL) Bandwidth              | 3500 MHz*km / 500 MHz*km                                                              |
| <b>Environmental Specifications</b>                 |                                                                                       |
| 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 ).                                                  |
| <b>Regulatory Compliance/Certifications</b>         |                                                                                       |
| 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                              | National Electrical Code® (NEC®) OFNP   CSA FT-6                                      |