

## SPARX® Fiber optic cable Multi-mode OM3, Indoor/Outdoor, 4 core, Single Tube, CMP, Dielectric Armoured

MODEL NUMBER : FCSPARX-M31S1DNS004F



### 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	Single Tube
Construction Type1	Dielectric Armour
Application	Aerial   Direct Buried   Duct   General Purpose Horizontal   Vertical Riser   Plenum
Cable Design	
Fiber Count	4
Number of ripcords	2 ripcords
Fibre colouring	Blue-orange-green-brown
Fiber per tube	4F
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	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
<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