

SPARX® Fiber optic cable Multi-mode OM4, Indoor/Outdoor, 48 core, Single Tube, CMP, Dielectric Armoured

MODEL NUMBER : FCSPARX-M41S1DNS048F



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 Type ¹	Dielectric Armour
Application	Aerial Direct Buried Duct General Purpose Horizontal Vertical Riser Plenum
Cable Design	
Fiber Count	48F
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
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	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
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
Approvals and Listings	National Electrical Code® (NEC®) OFNP CSA FT-6