

SPARX® Fiber optic cable Multi-mode OM4, Indoor/Outdoor, 12 core, Single Tube, LSZH, Dielectric Armoured

MODEL NUMBER : FCSPARX-M41S3DNS012F



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 ¹	Dielectric Armour
Application	Aerial Direct Buried Duct General Purpose Horizontal
Cable Design	
Fiber Count	12F
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	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	-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