

SPARX® Fiber optic cable Multi-mode OM4, Indoor/Outdoor, 12 core, Tight Buffer, CMP, Non-Armoured

MODEL NUMBER : FCSPARX-M41T1NNS012F



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	Tight Buffer Tube
Construction Type ¹	Non-armored
Application	Duct General Purpose Horizontal Vertical Riser Plenum
Cable Design	
Fiber Count	12F
Number of ripcords	1 ripcord

Fibre colouring	Blue-orange-green-Brown-grey-white-red-black-yellow-violet-pink-turquoise
Fiber per tube	1F
Outer jacket colour	Aqua.
Central element	Yarn
Outer Jacket Material	Flame-Retardant UV-Resistant
Mechanical Specifications	
Minimum Bend Radius, operation	135 mm
Nominal outer diameter	9.1 mm
Max. tensile strength for installation	2000 N
Crush resistance	1500 N/10 cm
Minimum Bend Radius, installation	160 mm
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