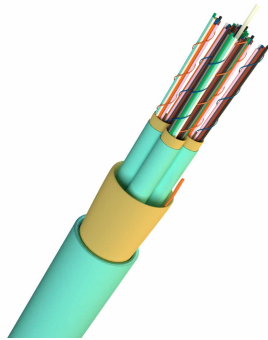


## SPARX® Fiber optic cable Multi-mode OM3, Indoor/Outdoor, 24 core, Loose Tube, LSZH, Non-Armoured

MODEL NUMBER : **FCSPARX-M31L3NNS024F**



### Specifications :

产品分类	
Regional Availability	Asia   Europe   Middle East   Africa
Portfolio	SPARX®
Product Type	Fiber Indoor/Outdoor cable
Product Series	MM Fiber
一般规格	
Subunit Type	Gel-free
Flame Rating	Flame-retardant   non-corrosive/low-smoke   zero-halogen (FRNC/LSZH) material
Cable Type	Loose Tube
Construction Type1	Non-armored
Application	General building applications   General Purpose Horizontal   Vertical Riser   Indoor horizontal   Outdoor Duct
Cable Design	
Fiber Count	24F
Number of ripcords	1 ripcord
Fibre colouring	Blue-orange-green-brown-grey-white-red-black-yellow-Violet-pink-turquoise-blue*-orange*-green*-brown*-grey*-white*-red*-black*-yellow*-violet*-pink*-Turquoise*
Fiber per tube	12F

Outer jacket colour	Aqua.
Central element	Dielectric strength member
Outer Jacket Material	Flame-retardant   non-corrosive/low-smoke   silicon-free   zero-halogen (FRNC/LSZH) material
<b>Mechanical Specifications</b>	
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
<b>Optical Specifications</b>	
Fibre Type	Multimode <sup>or</sup> OM3
Fibre category	OM3
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
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	-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).
<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	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