LANscape® Micromodule Indoor Cable

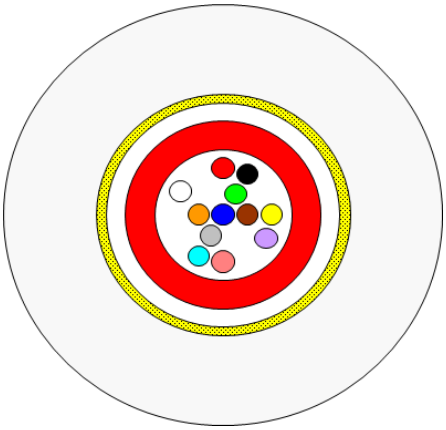
1(1x12) SMF-28® Ultra fibre, Single-mode (OS2)

Corning LANscape® indoor cables can be deployed indoor as building backbone (riser) cabling as well as for the cabling between floor distributors.

The loose tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters.

The SZ stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access.

The cables can be installed in conduits and shafts inside buildings.



LSZH/FRNC jacket ivory

Dielectric reinforcement

Micromodule red

Fibres 12 pieces

Features and Benefits

Low Fire Load
Good performances in flame resistance, fire and smoke spread

All-dielectric cable construction
Requires no grounding or bonding

Fibres/buffer tubes colour coded to Telcordia-Bellcore
Easy identification of the individual tubes and fibres

Silicon-free outer jacket
The cable jacket is free of harmful to paint structures

Standards

Flame Test Method	Flame retardant to IEC 60332-1 up to 24 fibres and IEC 60332-3C and EN 50266-2-4 up to 12 fibres
	Non corrosive (IEC 60754-2 and EN 50267)
	Low smoke (IEC 61034 and EN 50268)
	Zero halogen (IEC 60754-1)

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Specifications

General Specifications	
Environment	Indoor
Application	General building applications, Duct
Cable type	Loose Tube
Product type	Micromodule
Flame rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	J-B(ZN)H
Previous coding following DIN VDE 0888-3	J-B(ZN)H
Reaction to fire	Dca-s1a,d0,a1

Temperature Range	
Installation and assembly	0 °C to 50 °C
Operation	0 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design	
Central element	Dielectric with FRNC/LSZH coating
Fibre count	12
Fibres per tube	12
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Micro-module diameter	1.35 mm
Number of tube positions	1
Number of active tubes	1
Buffer tube colour coding	Red
Number of ripcords	1
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket colour	Ivory
Outer jacket nominal thickness	1.3 mm
Cable marking	M#H#S#CORNING#Fibre Optic Cable#Year#J-B(ZN)H 12 E9U LT 1.4 LSZH/FRNC

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Mechanical Characteristics Cable	
Nominal Outer Diameter	4.6 mm
Weight	19 kg/km
Min. Bend Radius Installation	46 mm
Min. Bend Radius Operation	23 mm
Max. tensile strength for installation	400 N
Crush resistance (reversible)	350 N/10 cm

Chemical Characteristics	
RoHS	RoHS compliant

Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	SMF-28® Ultra 242 Optical Fibre
Mode-Field Diameter at 1310 nm	9.2 µm
Fibre code	Z
Coating diameter	242 µm
Cladding diameter	125 µm
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Typical attenuation	0.32 dB/km / 0.32 dB/km / 0.18 dB/km
Serial 1 gigabit ethernet	5000 m / -
Serial 10 gigabit ethernet	10000 m / 40000 m
Cable cutoff wavelength	1260 nm
Dispersion in the range 1285 to 1330 nm	≤ 3.5 ps / (nm * km)
Dispersion @ 1550 nm	≤ 18 ps / (nm * km)
PMD Link Design Value	≤ 0.04 PS / √km
PMD maximum individual fibre	≤ 0.1 PS / √km
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Notes: 1) *Contact a Corning Customer Care Representative for additional information*

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Ordering Information

Part Number	012ZTZ-EA683E2G
Product Description	LANscape® Micromodule Indoor Cable 1(1x12) SMF-28® Ultra fibre, Single-mode (OS2), Ivory

Shipping Information

Maximum delivery length	2,000 m

RoHS COMPLIANT

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