

Fibre Optic Indoor Cables

1x1MMF ClearCurve[®] OM3 2.0 mm subunits

CORNING

Specifications

General Specifications	
Environment	Indoor
Cable type	Central Tube
Fibre category	50 µm MM (OM3)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	J-B(ZN)H
Reaction to fire	Cca,s1b,d2,a1

Temperature Range	
Installation and assembly	-5 °C to 50 °C
Operation	0 °C to 70 °C
Storage	-25 °C to 70 °C

Cable Design	
Fibre count	□
Fibres per subunit	□
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black
Tensile Strength Elements and/or Armouring - Layer 1	Aramid yarn
Subunit jacket material	Flame-retardant
Subunit colour	Yellow
Number of subunits	1
Number of ripcords	1
Buffer tube diameter	2.0 mm (0.08 in)
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	0.9 mm
Outer jacket colour	
Cable marking	According customer requirements

Mechanical Characteristics Cable	
Weight	20.48 kg/km
Nominal Outer Diameter	4.5 mm
Max. tensile strength, short-term	660 N
Max. Tensile Strength, Long-Term	198 N

Fibre Optic Indoor Cables

1x12 MMF ClearCurve® OM4 2.0 mm subunits

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Mechanical Characteristics Cable

Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	100 mm
Crush resistance (reversible)	1000 N/10 cm

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre category	OM4
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	1100 m / 600 m
Serial 10 gigabit ethernet	550 m / -
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

- Notes:
- 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
 - 2) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
 - 3) Improved attenuation and bandwidth options available
 - 4) Bend-insensitive single-mode fibres available on request.
 - 5) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	012TDZ-T6398E2G
Product Description	J-B(ZN)H 1x12 MMF ClearCurve® OM4 2.0 mm subunits

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The logo consists of a solid blue square with the word "CORNING" written in white, uppercase, sans-serif font in the center.

Notes



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