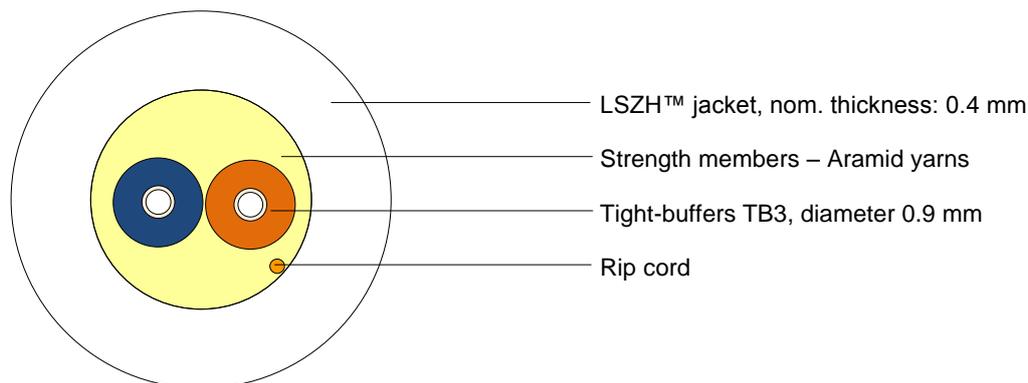


Fiber optic multifiber i-MIC Cable

with 2 Corning[®] ClearCurve[™] ZBL (Zero Bend Loss)
according to ITU Recommendation G.657 A2/B3 (R=5mm),
LSZH[™] jacket, non-metallic



Principle Drawing

J-V(ZN)H 2 E9CC R5/125 0.38F3.5 + 0.25H18 TB3 FRNC IV

Design and special properties

- Multifiber indoor cables are particularly suitable for placing and pulling into cable conduits and shafts (building backbone and horizontal subsystems), also underfloor, for use as jumper and adapter cables and for connecting workstations inside buildings (FTTD)
- They can also be used as inter building cables laid in dry conduits
- Developed to solve the challenges associated with MDU deployments
- Thin and robust layer cable with 900 µm tight-buffer design
- Tight-buffer design TB3 - easy to strip, up to 100 mm strippable in one piece
- Low-smoke according to IEC 61034 and zero-halogen (LSZH[™])
- Flame-retardant to IEC 60332-3 and non-corrosive to IEC 60754-2 (FRNC)
- Metal-free, hence no ground loop problems
- Complete “dry” design (no gel)
- The ClearCurve R5 (ZBL) fibers used in the cable are 100% backwards compliant to ITU G. 652D and meet all requirements of ITU G.657A2/B3

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Evolant[®] Solutions



Data sheet

Coloring

Fiber: natural
Tight-buffers: blue, orange
Outer jacket: ivory

Cable printing: Meter – Headset – Double sinus – "CORNING Fibre Optic Cable" - Year "2018" "MIC® J-V(ZN)H 2 E9U TB3 0.9 - LSZH/FRNC"

Method: Ink-Jet, black

Characteristics of ClearCurve™ ZBL Bend insensitive fiber

Optical and mechanical:

Mode field diameter at 1310 nm	[μm]	8.6 ± 0.4
Cladding diameter	[μm]	125.0 ± 0.7
Coating diameter	[μm]	242 ± 5
Attenuation at 1310 nm, typical	[dB/km]	≤ 0.38
Attenuation at 1550 nm, typical	[dB/km]	≤ 0.25
Attenuation at 1383 nm, typical	[dB/km]	≤ 0.38
Dispersion in the range 1285 to 1330 nm	[ps/(nm*km)]	≤ 3.5
Dispersion at 1550 nm	[ps/(nm*km)]	≤ 18
Cable cutoff wavelength (λ_{cc})	[nm]	≤ 1260

The fiber is fully in compliance with ITU-T G.652.D and annexes and G.657 A2 and B3

Mechanical and environmental cable characteristics

Number of fibers		2
Number of tight-buffers		2
Diameter tight-buffer	[mm]	0.90
Outer diameter cable (D), approx.	[mm]	2,9
Weight of the cable, approx.	[kg/km]	9
Max. tensile load of cable during installation	[N]	200
Min. bending radius of cable during installation	[mm]	15 x D
Min. bending radius of cable in service	[mm]	10 x D
Min. bending radius of tight-buffers in service	[mm]	10
Impact (r =300 mm)	[Nm]	3
Temperature range	Laying and installation Operation Transport and storage	[°C] -5 to 50 -10 to 60 -25 to 70

Delivery:

Delivery length up to 2 km
other options are available on request

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