

Indoor i-MIC Cable

J-VH 8E9 OS2/125 TB3

CORNING

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

The tight-buffered construction facilitates easier termination for low-fiber-count applications in the local area network (LAN) and eliminates need for fan-out kits.

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

Features and Benefits

All-dielectric cable construction

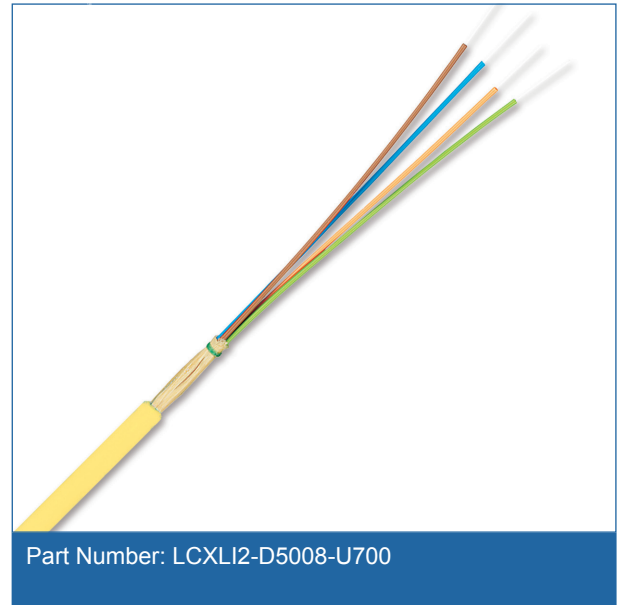
Requires no grounding or bonding

Small diameter and bend radius

Easy installation in space-constrained areas

TB3 tight buffered construction

Easy and consistent stripping over 10cm



Standards

Flame test method

Flame retardant according to IEC 60332-3-24 and EN 50266-2-4

Non-corrosive according to IEC 60754-2 (FRNC) and EN 50267

Low smoke according to IEC 61034 and EN 50268

Halogen-free (LSZH)

Specifications

General Specifications	
Environment	Indoor
Application	Vertical Riser, General Purpose Horizontal, Indoor horizontal, General building applications
Cable Type	Tight-Buffered
Product Type	Dielectric
Flame Rating	LSZH/FRNC
Fibre Category	SM (OS2)

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Temperature Range

Installation and assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design

Central element	Aramid yarn
Fibre Count	8
Buffering Diameter	900 µm
Tight buffer type	TB3 (easy strip up to 10 cm)
Tight buffer colour	Blue, orange, green, brown, grey, white, red, black, yellow, violet
Tensile strength elements and/or armouring - Layer 1	Aramid yarn
Number of Ripcords	1
Outer jacket material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer jacket colour	Yellow
Outer jacket nominal thickness	0.8 mm
Cable marking	Metre - Handset - Double Sine - CORNING - Year - J-VH 8E9/125 TB3

Mechanical Characteristics Cable

Nominal Outer Diameter	5.5 mm
Weight	29 kg/km
Min. Bend Radius Installation	83 mm
Min. Bend Radius Operation	55 mm
Max. tensile strength for installation	800 N
Crush Resistance	1000 N/10cm
Fire Load	0.56 MJ/m

Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fibre Specifications

Optical Characteristics (cabled)	
Fibre Name	E9/125 SMF28e+
Fibre Type	Single-mode
Fibre Core Diameter	9 µm
Fibre Category	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm
Standards in Compliance	TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Cat. OS2
Fibre Code	U

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.
2) Improved attenuation and bandwidth options available
3) Bend-insensitive single-mode fibres available on request
4) Contact a Corning Cable Systems Customer Care Representative for additional information

Ordering Information

Part Number	LCXLI2-D5008-U700
Product Description	J-VH 8E9/125 TB3

Shipping Information

Maximum delivery length	2,000 m
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Corning Cable Systems GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, Germany

TEL: 00800-2676-4641 (00800-CORNING1) · FAX: +49-30-5303-2335 · www.corning.com/cablesystems/emea

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