

Central Tube MPC Cable with Glass-Yarn Armouring

A-DQ(BN)H 1x24G50CC OM3/125 CT

CORNING

Corning Cable Systems MPC (Multi Purpose Cable) Stranded Loose Tube Cables are flame retardant, indoor/outdoor and designed for interbuilding / intrabuilding backbones in duct and other riser applications. The Central Tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres in are color-coded for quick, easy identification.

The cable construction, based on a central buffer tube, is very compact, light and flexible, and ideal for connections requiring a moderate fiber count.

These cables are designed for installation in conduits, ducts and in-house.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

Laminated swelling glass yarns

Improved rodent resistance and longitudinal water protection

UV and microbe resistant

Can be installed in ducts or conduits

Small diameter and bend radius

Easy installation in space-constrained areas

Fibres colour coding to IEC 60304 (Telcordia-Bellcore)

Easy identification of the individual fibres

Waterblocking technology

OSP (outdoor) applications

Standards

Flame test method

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

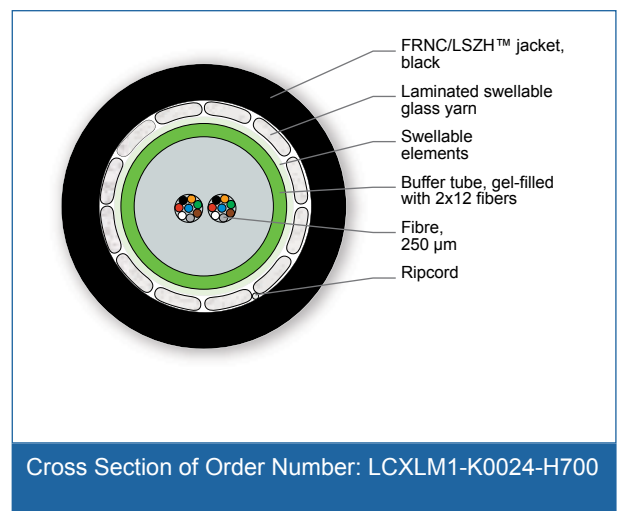
Low smoke according to IEC 61034 and EN 50268

Halogen-free (LSZH)

Flame retardant according to IEC 60332-1 and EN 50266-2-1

Waterblocking

IEC 60794-1-2 F5



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Specifications

General Specifications	
Environment	Indoor / Outdoor
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Loose Tube
Product Type	Dielectric armour
Flame Rating	LSZH/FRNC
Fibre Category	50 µm MM (OM3)

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

Cable Design	
Fibre Count	24
Number of fibres per bundle	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Number of fibre bundles	2
Fibre bundle colouring	Blue, orange
Buffer tube diameter	5 mm
Buffer tube colour	Green
Tensile strength elements and/or armouring - Layer 1	Laminated swelling glass yarn armour
Number of Ripcords	1
Outer jacket material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer jacket colour	Black
Outer jacket nominal thickness	1.2 mm
Cable marking	metre - handset - double sine - CORNING - year A-DQ(BN)H 1x24G50/125 PRETIUM 300 ULTRA-BEND 7.5

Mechanical Characteristics Cable	
Nominal Outer Diameter	8.6 mm
Weight	73 kg/km

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Mechanical Characteristics Cable

Min. Bend Radius Installation	170 mm
Min. Bend Radius Operation	130 mm
Max. tensile strength for installation	1500 N
Crush Resistance	1500 N/10cm
Fire Load	1.64 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	G50/125 Pretium 300 ULTRA-BEND 7.5
Fibre Core Diameter	50 µm
Fibre Type	Multimode
Fibre Category	OM3
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / 333 m
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
Standards in Compliance	TIA/EIA 492AAAC-A, Tested with minEMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0 and IEC 60793-1-49 Ed.2.0, ITU-T G651, ISO/IEC 11801 Cat. OM3
Fibre Code	H

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

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Ordering Information

Part Number	LCXLM1-K0024-H700
Product Description	A-DQ(BN)H 1x24G50/125 PRETIUM 300 ULTRA-BEND 7.5

Shipping Information

Maximum delivery length	4,000 m
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