

Central Tube MPC Cable with Corrugated Steel Armouring

A-DQ(ZN)(SR)H 2X12G62,5L/125 CT

CORNING

Corning Cable Systems MPC (Multi Purpose Cable) Central Tube Cables with corrugated steel armouring are flame-retardant, indoor/outdoor cables designed for inter-building and intrabuilding backbones in duct, direct burial and 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, direct burial and in-house.

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

UV and microbe resistant

Can be installed in ducts or conduits

Corrugated steel armouring

Rodent and mechanical protection

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

Standards

Flame test method

Zero Halogen according to IEC 60754-1

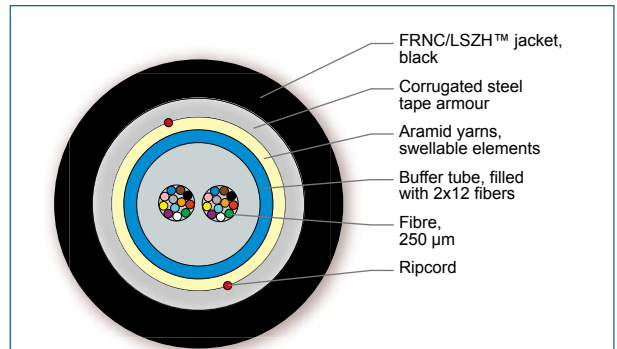
Flame retardant according to IEC 60332-3-24 and EN 50266-2-4

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

Low smoke according to IEC 61034 and EN 50268



Part Number: FWCT01-S0024-A004



Cross Section of Order Number: FWCT01-S0024-A004



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Standards

Waterblocking IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Indoor / Outdoor
Applications	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Loose Tube
Product Type	Corrugated armour
Flame Rating	LSZH/FRNC
Fibre Category	62.5 µm MM (OM1)

Temperature Range	
Installation and assembly	-5 °C 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 coding	Blue
Number of Ripcords	2
Tensile strength elements / armouring - Layer 1	Corrugated steel tape armour with dielectric strength elements (aramid yarns) and swellable elements
Outer jacket material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer jacket colour	Black

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Cable Design

Outer jacket nominal thickness	1.5 mm
Cable marking	metre - handset - double sine - CORNING - year, A-DQ(ZN)(SR)H 1x24G62.5L/125 Infinicor 300

Mechanical Characteristics Cable

Nominal Outer Diameter	9.7 mm
Weight	114 kg/km
Min. Bend Radius Installation	195 mm
Min. Bend Radius Operation	145 mm
Max. tensile strength for installation	1500 N
Crush Resistance	3000 N/10cm
Fire Load	1.91 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	G62.5L/125 InfiniCor® 300
Fibre Core Diameter	62.5 µm
Fibre Type	Multimode
Fibre Category	OM1
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.1 dB/km / 0.8 dB/km
Typical attenuation	2.9 dB/km / 0.7 dB/km
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 600 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -
Serial 1 Gigabit Ethernet	300 m / 550 m

- Notes:
- 1) Improved attenuation and bandwidth options available
 - 2) Bend-insensitive single-mode fibres available on request
 - 3) Contact a Corning Cable Systems Customer Service Representative for additional information

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Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	G62.5L/125 InfiniCor® 300
Serial 10 Gigabit Ethernet	33 m / -
Standards in Compliance	TIA/EIA 492AAAA, Restricted Mode Launch (RML) according to TIA/EIA 455-204 and (OFL) IEC 60793-1-41, ITU G651, ISO/IEC 11801 Cat. OM1
Fibre Code	A

Notes: 1) Improved attenuation and bandwidth options available
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Ordering Information

Order Number	FWCT01-S0024-A004
Product Description	A-DQ(ZN)(SR)H 1x24G62.5L/125 Infinicor 300

Shipping Information

Maximum delivery length	4000 m
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