

Central Tube MPC Cable, Corrugated Steel Armouring, A-DQ(ZN)(SR)H

1x8 E9/125 (OS2)

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, mechanical protection and direct buried applications

Small diameter and bend radius

Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Standards

Flame Test Method

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

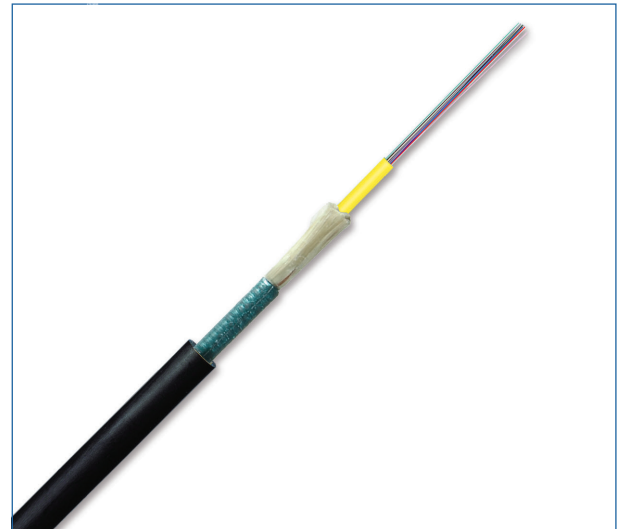
Non-corrosive according to IEC 60754-2 (FRNC) and EN 50267

Low smoke according to IEC 61034 and EN 50268

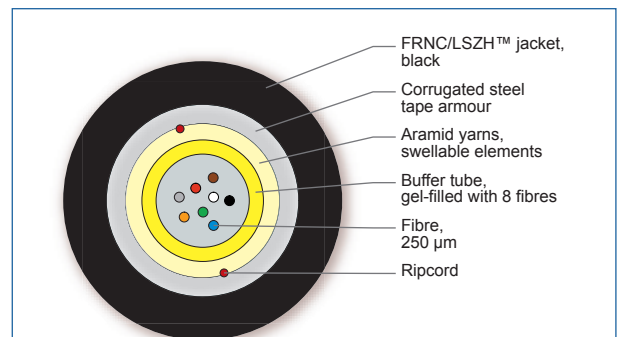
Zero Halogen according to IEC 60754-1

Waterblocking

IEC 60794-1-2 F5



Part Number: FWCT01-S0008-U004



Cross Section of Order Number: FWCT01-S0008-U004

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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	Corrugated steel armour
Flame Rating	LSZH™/FRNC
Fibre Category	SM (OS2)

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	8
Fibre colouring	Blue, orange, green, brown, grey, white, red, black
Buffer tube colour	Yellow
Buffer tube diameter	3 mm
Number of Ripcords	2
Tensile Strength Elements and/or 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
Outer Jacket Nominal Thickness	1.5 mm
Cable Marking	Metre - Handset - Double Sine - CORNING - Year - A-DQ(ZN) (SR)H 1x8 E9/125

Mechanical Characteristics Cable	
Nominal Outer Diameter	7.5 mm
Weight	76 kg/km
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	110 mm
Max. Tensile Strength for Installation	1000 N

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Mechanical Characteristics Cable

Crush Resistance (reversible)	2000 N/10cm
Fire Load	1.16 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	8.2 µm
Fibre Category	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.36 dB/km / 0.36 dB/km / 0.22 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	FWCT01-S0008-U004
Product Description	A-DQ(ZN)(SR)H 1x8 E9/125
EAN Code	4042673258476

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The CORNING logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font centered inside.

Shipping Information

Maximum Delivery Length	6,000 m
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