

Central Tube Dielectric Armor Indoor/Outdoor Cable

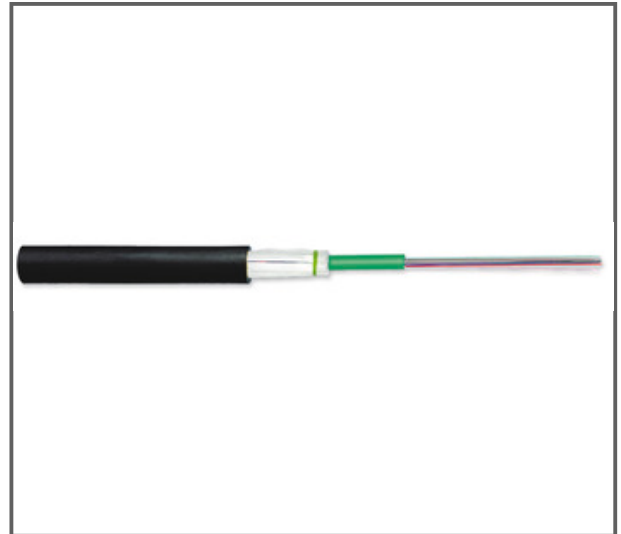
CORNING

Part Number: 024TEU-13188A2G

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 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

Fibers color coding to Telcordia-Bellcore

Easy identification of the individual fibers

Waterblocking technology

OSP (outdoor) applications

Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

Flame retardant

LSZHTM/FRNC

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Specifications

Mechanical Specifications

Crush Resistance	2500 N/10 cm
Min. Bend Radius Installation	170 mm
Min. Bend Radius Operation	130 mm
Nominal Outer Diameter	8.6 mm

Cable Design

Cable Marking	Meter - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 24 OM3CC CT 5.0 LSZH(TM)/FRNC
Fiber Count	24
Number of Ripcords	1
Outer Jacket Color	Black
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer Jacket Nominal Thickness	1.2 mm
Tensile Strength Elements and/or Armoring - Layer 1	Laminated swelling glass yarn armor
Buffer Tube Diameter	5 mm
Fiber Bundle Coloring	Blue, Orange
Fibers per Bundle	12
Number of Fiber Bundles	2
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

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Environmental Conditions

Temperature Range, Installation	-5 °C - 50 °C (23 °F - 122 °F)
Temperature Range, Storage	-25 °C - 70 °C (-13 °F - 158 °F)
Temperature Range, Operation	-20 °C - 60 °C (-4 °F - 140 °F)

General Specifications

Environment	Indoor/Outdoor
Cable Type	Single Tube
Product Type	Dielectric armor
Fiber Category	50 µm MM (OM3)
Flame Rating	LSZH™ /FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Application	Duct , Vertical Riser , General Purpose Horizontal

Ordering Information

Weight	73 kg/km
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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable) Reaction to fire according to EN 50575 and EN 13501-6 Low smoke according to IEC 61034 and zero halogen to IEC 60754-1 Non-corrosive according to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5

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Standards

Flame propagation test Flame retardant according to IEC 60332-1-2 (single cable)

Reaction to fire requirements Reaction to fire according to EN 50575 and EN 13501-6

Smoke density Low Smoke to IEC 61034

Halogen content test Zero Halogen to IEC 60754-1

Level of corrosion Non-corrosive according to IEC 60754-2

Optical Characteristics

Fiber Code	T
Fiber Name	G50/125 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1100 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	300 MHz*km/ 333 MHz*km
Typical Attenuation	2.4 / 0.8
Wavelengths	850 nm / 1300 nm
Fiber Category	OM3

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Corning Optical Communications GmbH & Co. KG • Lelpziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea