

FREEDM™ gel-free MPC (Multipurpose Cables) can be deployed both indoor and outdoor for campus backbone and building backbone (riser) cabling as well as for the cabling between floor distributors. The innovative dry, gel-free design with water-blocking technology eliminates the need for traditional flooding compound, providing more efficient and craft-friendly cable preparation. The cables can be installed in conduits, ducts and be buried directly in the ground.

Features and Benefits

Needs minimal cleaning, saving about 20 minutes per fan-out (12 fibres), splicing is made faster and more accurate, resulting in reliable, consistently low-loss terminations

Requires no grounding or bonding

Improved rodent resistance and longitudinal water protection

Can be installed in ducts or conduits

Easy installation in space-constrained areas

Easy identification of the individual fibres

OSP (outdoor) applications

The cable jacket is free of harmful to paint structures

Standards

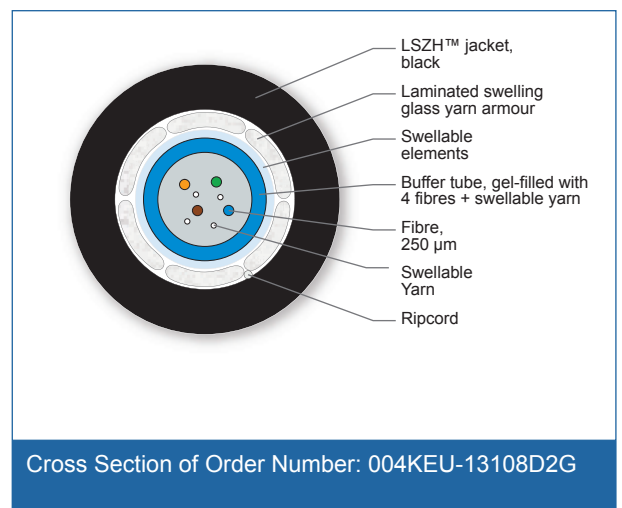
Flame retardant to IEC
60332-3-24 (bunch)

Low Smoke to IEC 61034

Zero Halogen to IEC
60754-1

Non Corrosive to IEC
60754-2

IEC 60794-1-2 F5



Specifications

Environment	Indoor / Outdoor
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Central Tube
Product Type	Dielectric armour
Flame Rating	LSZH™/FRNC
Fibre category	62.5 µm MM (OM1)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-BQ(ZN)BH
Previous Part Number	004KSZ-T2B30D20
Previous coding following DIN VDE 0888-3	A-BQ(BN)H

Installation and Assembly	-5 °C to 50 °C
Operation	-30 °C to 70 °C
Storage	-30 °C to 70 °C

Fibre Count	4
Fibre colouring	Blue, orange, green, brown
Buffer tube diameter	3.0 mm
Buffer tube colour	blue
Tensile Strength Elements and/or Armouring - Layer 1	Laminated 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	Meter Handset Sine CORNING Fibre Optic Cable Year FREEDM™ U-BQ(ZN)BH 4 OM1 CT 3.0 LSZH™/FRNC

Nominal Outer Diameter	7.0 mm
Weight	48 kg/km

Min. Bend Radius Installation	140 mm
Min. Bend Radius Operation	110 mm
Max. Tensile Strength for Installation	1000 N
Crush Resistance (reversible)	1400 N/10 cm
Fire Load	0.83 MJ/m

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

Fibre Name	G62.5L/125 InfiniCor® 300
Fibre Core Diameter	62.5 µm
Fibre category	OM1
Fibre Code	K
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
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 600 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -

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

Ordering Information

Part Number	004KEU-13108D2G
Product Description	FREEDM™ Gel-Free Central Tube Indoor/Outdoor Cable 4F G62.5 MMF InfiniCor® OM1 CT 3.0
EAN Code	4042673561392



CORNING

Shipping Information

Maximum Delivery Length	4,000 m
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