

FREEDM™ Gel-free Loose Tube Dielectric Armour Indoor/Outdoor Cable 2x12 G50 MMF ClearCurve® OM4 LT 2.3

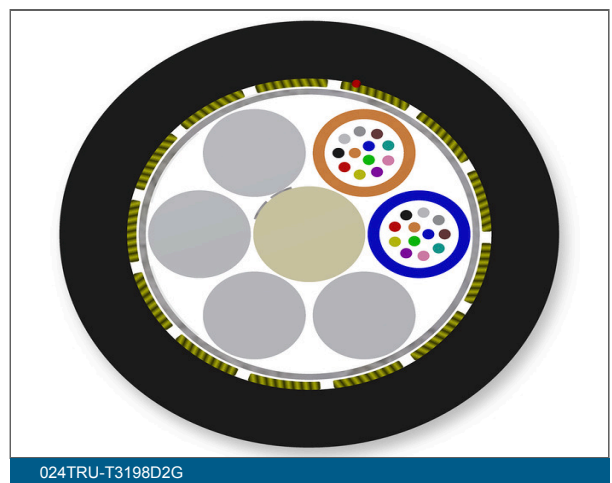
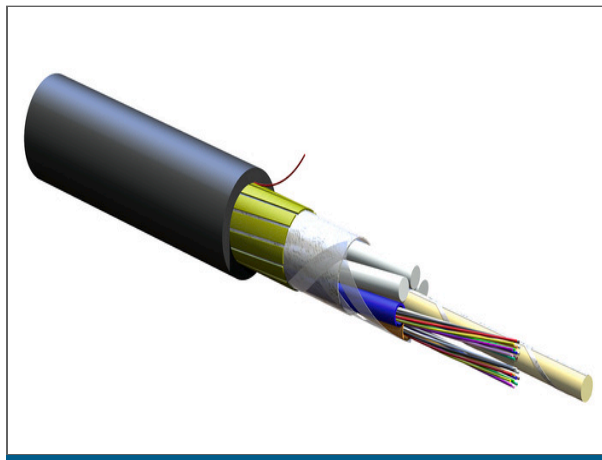
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Part Number:
024TRU-T3198D2G

Features and Benefits

Dry, gel-free tube

Minimal cleaning, easy cable preparation



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Specifications

Mechanical Specifications

Crush resistance	2000 N/10 cm
Fire load	2.5 MJ/m
Min. bend radius installation	214 mm
Min. bend radius operation	160 mm
Nominal outer diameter	10.7 mm

Cable Design

Cable marking	Metre - Handset - CE 18 EN 50575 Eca - Sine - CORNING - Fibre Optic Cable - Year - U-BQ(ZN)BH 24 OM4CC LT 2.3 LSZH(TM)/FRNC
Central element	Dielectric
Fibre count	24
Buffer tube colour coding	Blue, orange
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	1.5 mm
Tensile Strength Elements and/or Armouring - Layer 1	Laminated glass yarn armour
Buffer tube colour	Blue, orange
Buffer tube diameter	2.25 mm
Central element diameter	2.5 mm
Filling element colour	Natural
Number of active tubes	2
Number of filling elements	4
Number of tube positions	6
Tape	Water-swellable
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

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Cable Design

Fibres per tube	12
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Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

General Specifications

Environment	Indoor / Outdoor, universal
Cable type	Loose tube
Product type	Dielectric armour
Fibre category	50 µm MM (OM4)
Flame rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-BQ(ZN)BH
Application	Duct, Vertical Riser, General Purpose Horizontal

Ordering Information

Product Number	024TRU-T3198D2G
Maximum delivery length	4000 m
Weight	109 kg/km

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

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Standards

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 and EN 50267
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 13501-6Low smoke according to IEC 61034 and zero halogen to IEC 60754-1Non-corrosive according to IEC 60754-2 and EN 50267
Waterblocking	IEC 60794-1-2 F5
Reaction to fire	Eca

Optical Characteristics

Fibre code	T
Fibre name	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre core diameter	50 µm
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 gigabit ethernet	1100 MHz*km / 600 MHz*km
Serial 10 gigabit ethernet	550 MHz*km / -
Typical attenuation	2.4 dB/km / 0.8 dB/km
Wavelengths	850 nm / 1300 nm
Induced Attenuation	For 7.5 mm radius < 0.2 db / -
Fibre category	OM4

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

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