

Outdoor Cable, Double Corrugated Steel Armouring Double Sheath, A-DQ(ZN)(SR)2Y(SR)2Y

1x12 G50 MMF ClearCurve® OM4 LT 2.3

CORNING

Specifications

General Specifications	
Environment	Outdoor
Application	Duct, Direct Buried
Cable type	Loose Tube
Product type	Corrugated steel armour
Fibre category	50 µm MM (OM4)

Temperature Range	
Installation and assembly	-5 °C to 50 °C
Operation	-30 °C to 70 °C
Storage	-40 °C to 70 °C

Cable Design	
Central element	Glass reinforced Plastic (Dielectric)
Central element diameter	2.5 mm
Fibre count	12
Fibre colouring	Blue
Fibres per tube	12
Number of tube positions	6
Number of active tubes	1
Buffer tube colour coding	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Buffer tube diameter	2.25 mm
Number of filling elements	5
Tape, Layer 1	Water-swellaible
Tensile Strength Elements and/or Armouring - Layer 1	Corrugated steel tape armour
Inner jacket material	High Density Polyethylene (HDPE)
Inner jacket nominal thickness	1.5 mm
Tape, Layer 2	Water-swellaible
Number of ripcords	4
Tensile strength elements and/or armouring - Layer 2	Corrugated steel tape armour
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket colour	Black

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6x2 G50 MMF ClearCurve® OM3 LT 2.3

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Cable Design

Outer jacket nominal thickness	1.5 mm
Cable marking	Metre - Handset - Sine - CORNING - Year - A-DQ(ZN)(SR)2Y(SR)2Y 1x22 OM4CC LT 2.3

Mechanical Characteristics Cable

Nominal Outer Diameter	15.7 mm
Weight	253 kg/km
Min. Bend Radius Installation	315 mm
Min. Bend Radius Operation	275 mm
Max. tensile strength for installation	2700 N
Crush resistance (reversible)	4000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre category	OM4
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	1000 m / 600 m
Serial 10 gigabit ethernet	300 m / 333 m
Min. overfilled launch (OFL) bandwidth	1500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	2000 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
2) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
3) Improved attenuation and bandwidth options available
4) Bend-insensitive single-mode fibres available on request.
5) Contact a Corning Customer Care Representative for additional information

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Ordering Information

Part Number	012TRD-T3198P20
Product Description	Outdoor Cable with Corrugated Steel Armouring double sheet A-DQ(ZN)(SR)2Y(SR)2Y 1x12 G50 MMF ClearCurve® OM4 LT 2.3

Shipping Information

Maximum delivery length	6,000 m
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