

SST™ Central Tube Steel Armour Outdoor Cable

12F G50 MMF ClearCurve® OM3 CT 3.0

CORNING

Corning central tube cables with corrugated steel armouring are designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations.

The central tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres are colour coded for quick and easy identification.

The cable construction, based on a central buffer tube, is very compact, light, flexible and ideal for connections requiring a moderate fibre count.

These cables are designed for installation in conduits, ducts and for direct burial.

Features and Benefits

Waterblocking technology

Outside Plant (OSP) applications

UV and microbe resistant

Can be directly buried or installed in ducts

Corrugated steel armouring

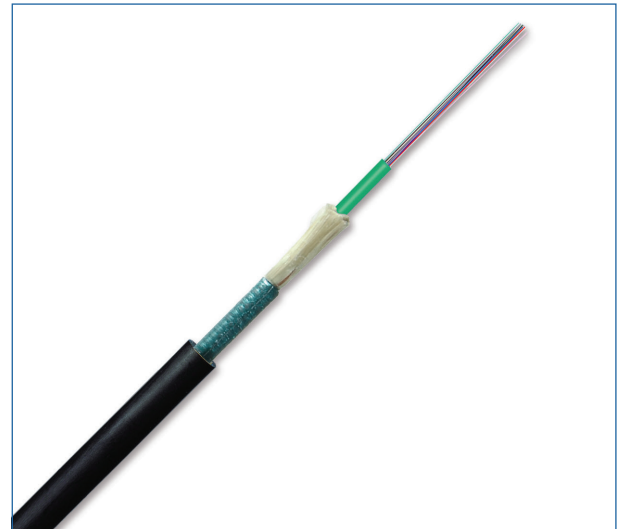
Rodent, mechanical protection and direct buried applications

Small diameter and bend radius

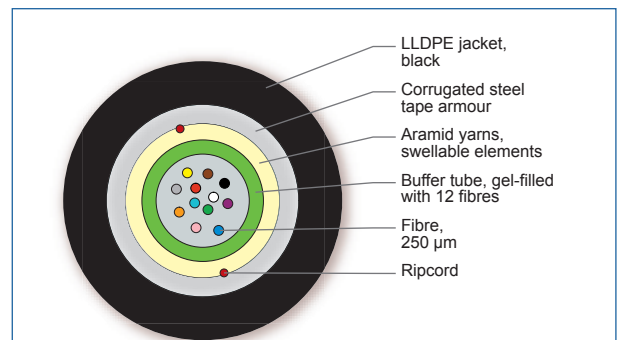
Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres



Part Number: 012TEC-13188A20



Cross Section of Order Number: 012TEC-13188A20

Standards

Waterblocking

IEC 60794-1-2 F5

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Specifications

General Specifications	
Environment	Outdoor
Application	Direct Buried, Duct
Cable type	Loose Tube
Product type	Corrugated steel armour
Fibre Category	50 µm MM (OM3)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
Previous part number	FWCT01-S0012-H003
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)2Y

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	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	3 mm
Buffer tube colour	green
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	Linear Low Density Polyethylene (LLDPE)
Outer jacket colour	black
Outer jacket nominal thickness	1.5 mm
Cable marking	Metre - Handset - Sine - CORNING - Year - SST (TM) A-DQ(ZN)(SR)2Y 12F OM3CC CT 3.0

Mechanical Characteristics Cable	
Nominal Outer Diameter	7.5 mm
Weight	60 kg/km
Min. Bend Radius Installation	150 mm

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Mechanical Characteristics Cable

Min. Bend Radius Operation	110 mm
Max. tensile strength for installation	1000 N
Crush resistance (reversible)	2000 N/10 cm

Chemical Characteristics

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

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre core diameter	50 µm
Fibre Category	OM3
Fibre code	T
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

Ordering Information

Part Number	012TEC-13188A20
Product Description	SST™ Central Tube Steel Armour Outdoor Cable 12F G50 MMF ClearCurve® OM3 CT 3.0
EAN Code	4042673580751

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

Shipping Information

Maximum delivery length	4,000 m
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