

# EDGE™ 2.0mm Patch Cord, 2 fibres, Interconnect tight-buffered cable SMF-28® Ultra Single-mode (OS2), Low-Loss, 3 m



**Part Number:**  
**E787802GNZ20003M**

EDGE™ patch cords are integrated reverse-polarity uniboot duplex assemblies that meet the high-density space requirements of the MDA and EDA and provide a 50-percent reduction in bulk cabling when compared to traditional duplex patch cords. The highly flexible, 2-fiber interconnect cable reduces cable congestion, improves patch cord management and routing and improves air circulation.

## Features and Benefits

### State-Of-The-Art Manufacturing Processes

Corning proprietary manufacturing processes and advanced technology result in unsurpassed product consistency

### Global operations

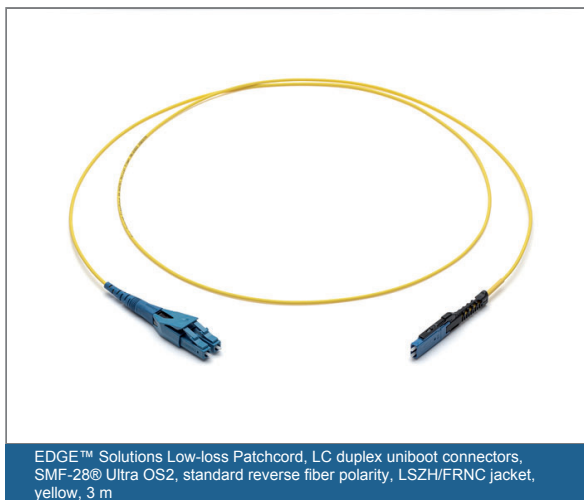
Worldwide manufacturing facilities and end-to-end vertical integration across the entire process ensure reliable supply and mitigate trade barriers or supply.

### Flexible design options

Choice of materials for strength elements and fiber properties dependent on application requirements

### Superior Performance Testing

Every termination is tested to ensure the highest in network performance



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## Specifications

General Specifications	
Flame Rating	LSZH/FRNC
Fiber Category	Bend-improved Single-Mode (OS2)
Product Category	Core Product / FastShip
Cable Assembly Type	Two Fiber
Cable Type	Tight-Buffered

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Environmental Conditions	
Temperature Range, Installation	-5 °C to 50 °C
Temperature Range, Operation	-10 °C to 60 °C
Temperature Range, Storage	-10 °C to 60 °C

Design	
Fiber Count	2
Outer Jacket Material	LSZH/FRNC
Outer Jacket Color	Yellow

Mechanical Specifications	
Fire Load	0.3 MJ/m
Minimum Bend Radius	10 mm
Tensile Strength	150 N
Crush Resistance	1000 N/10 cm

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Optical Characteristics	
Cable cutoff wavelength	1260 nm
Fiber Code	Z
Fiber Name	SMF-28® Ultra TB Cable Optical Fiber
Fiber Type	Single-mode
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding diameter	125 µm
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Serial 1 Gigabit Ethernet	5000 MHz*km / - / -
Serial 10 Gigabit Ethernet	10000 MHz*km / 40000 MHz*km
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	≤ 0.04 ps/(nm*km)
PMD maximum individual fiber	≤ 0.1 ps/(nm*km)
Coating diameter	242 µm

Specifications - Connector A	
Reflectance, Typical	≤ -58 dB
Polish	UPC
Insertion Loss, Typical	0.1 dB
Insertion Loss, Max.	0.15 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Blue
Connector Type	LC Uniboot
Ferrule Material	Ceramic
Housing Color	Blue
Housing Material	Composite
Boot Type	Uniboot

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Specifications - Connector B	
Reflectance, Typical	≤ -58 dB
Polish	UPC
Insertion Loss, Typical	0.1 dB
Insertion Loss, Max.	0.15 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Blue
Connector Type	LC Uniboot
Ferrule Material	Ceramic
Housing Color	Blue
Boot Type	Uniboot

Dimensions	
Length	3 m
Outer Diameter	2 mm
Weight	0.02 kg

Ordering Information	
Product Number	E787802GNZ20003M
EAN Code	4042673584087
Packaging Method	Cardboard box
Units per Delivery	1/1
Shipping Height	180 mm
Shipping Width	250 mm
Shipping Depth	380 mm

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