

ALTOS® Loose Tube Outdoor Cable

8x12 E9 (SMF 28e+® LL) LT 2.0

CORNING

Corning stranded loose tube cables are designed for outdoor use for campus, city and intercity backbones in duct installations.

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

The SZ-stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access.

These cables are designed for installation in conduits, ducts and on cable racks.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

UV- and microbe-resistant

Can be installed in ducts or conduits

Waterblocking technology

OSP (outdoor) applications

Fibres/buffer tubes colour coded to Telcordia-Bellcore

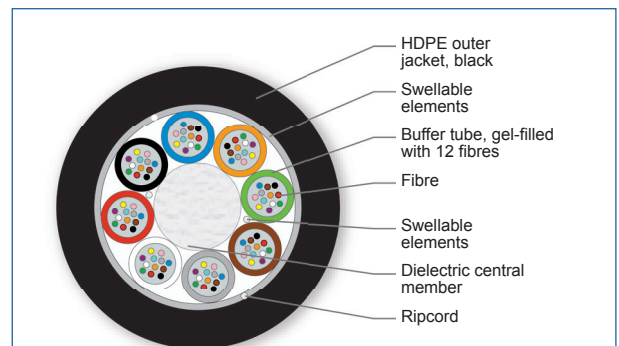
Easy identification of the individual tubes and fibres

Dry cable core by means of water swellable elements

Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications



Part Number: 096LP4-EC184P20



Cross Section of Order Number: 096LP4-Ec184P20

Standards

Waterblocking

IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Outdoor
Application	Duct
Cable type	Loose Tube
Product type	Dielectric

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General Specifications

Fibre category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)2Y
Previous coding following DIN VDE 0888-3	A-DQ(ZN)2Y

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	3.3 mm
Fibre count	96
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Fibres per tube	12
Number of tube positions	8
Number of active tubes	8
Buffer tube colour coding	Blue, Orange, Green, Brown, Grey, White, Red, Black
Buffer tube diameter	1.95 mm
Tape	Water-swellable
Number of ripcords	2
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket colour	Black
Outer jacket nominal thickness	1.1 mm
Cable marking	M#H#CORNING OPTICAL CABLE#01/2019#WTES Projects Ltd 96 SM

Mechanical Characteristics Cable

Nominal Outer Diameter	9.5 mm
Weight	70 kg/km
Min. Bend Radius Installation	162 mm
Min. Bend Radius Operation	143 mm
Max. tensile strength for installation	1500 N
Crush resistance (reversible)	2000 N/10 cm

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Chemical Characteristics

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

Optical Characteristics (cabled)

Fibre name	SMF28e+® LL
Fibre core diameter	8.2 µm
Fibre category	OS2
Fibre code	L
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Cable cutoff wavelength	1260 nm
Standards in compliance	TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Ed.2.2 Cat. OS2

- Notes:
- 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
 - 2) Improved attenuation and bandwidth options available
 - 3) Bend-insensitive single-mode fibres available on request.
 - 4) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	096LP4-EC184P20
Product Description	ALTOS® Loose Tube Outdoor Cable 8x12 E9 (SMF 28e+® LL) LT 2.0

Shipping Information

Maximum delivery length	6,000 m
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