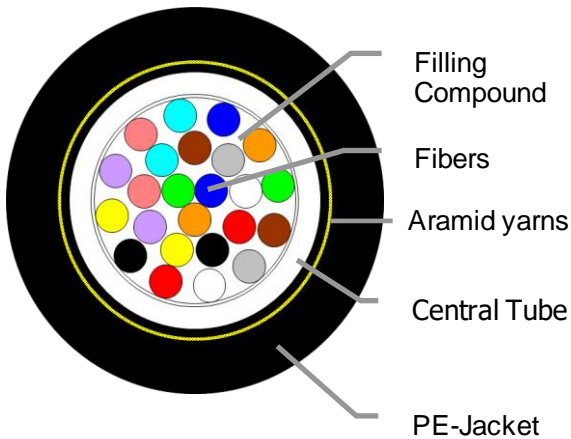


MiniXtend – Drop Cable

Data Sheet

Fully Dielectric Mini Duct Cable

with 24 Corning® 200µm single-mode fibers E9/125 SMF-28®ULTRA200 with low-loss and improved bend performance technologies



Features & Benefits

- Reduced cable diameter for installation in micro ducts with 4mm minimum inner diameter
- Optimized cable stiffness and low friction sheath material for excellent installation performance
- Good mechanical and environmental properties
- Fully dielectric duct cable requires no grounding
- The used Corning® 200µm single-mode fiber SMF-28®ULTRA 200 optical fiber is an ITU-T G652.D compliant optical fiber with Corning’s enhanced low loss and bend technologies. This full-spectrum fiber has bend performance that exceeds the ITU-T G.657.A1 standard and still splices the same as the installed base of standard SM fibers such as SMF28e+®

Cable Type	Fibers	Diameter (mm)	Weight (kg/km)	Bending Radius (mm)
A-D(ZN)2Y 1x24 E9U200	24	2,5	7	100

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CORNING

Coloring

Fibers:	1-12: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise 13-24: blue, orange, green, brown, grey, white, red, natural, yellow, violet, pink, turquoise Fibers 13-24 marked with 1 black ring
Tubes:	Natur
Jacket:	Black
Cable printing:	M # H # S # CORNING # YYYY # MiniXtend® Micro-Cable 24F E9U200 CT1.7
Method:	Laser

Characteristics of fibers 200µm SMF-28® ULTRA200 (low loss and bend improved fiber)

Optical and mechanical:

Mode field diameter at 1310 nm	[µm]	9,2 ± 0,4
Mode field diameter at 1550 nm	[µm]	10,4 ± 0,5
Cladding diameter	[µm]	125,0 ± 0,7
Coating diameter	[µm]	200 ± 5
Attenuation at 1310 nm	[dB/km]	≤ 0,36
Attenuation at 1550 nm	[dB/km]	≤ 0,22
Dispersion at 1550 nm	[ps/(nm*km)]	≤ 19
Cable cutoff Wavelength (λ_{cc})	[nm]	≤ 1260
PMD cabled (single fiber)	Ps/√km	≤ 0,2
PMD cabled (link value)	Ps/√km	≤ 0,04

The fiber is fully compliant with ITU-T G.652.D standard and exceeds ITU-T G.657.A1 standard

Technical cable characteristics

Mechanical and environmental:

Max. tensile load during installation	[N]	80
Impact (No. of impacts 3, hammer radius R=300 mm)	[Nm]	1
Crush	[N/10 cm]	500
Temperature range during operation	[°C]	-20...+60
Temperature range during installation	[°C]	-5...+50
Water penetration (0.1 bar / 24 h)	[m]	1

Delivery length:

Standard delivery length up to 6 km

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