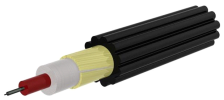
860644020/DB | D-001-DN-8G-M35BK/PUSH



Pushable Outdoor MDPE single fiber tight buffer low friction drop cable

- Offers maximum efficiency when used in duct sizes ranging from 1/8" (6mm) to 3/8" (10mm) inner diameter
- Pushable up to 500ft (150m) by hand without the assistance of air, and up to nearly 1970ft (600m) with air
- Flexible, yet stiff contruction of the fluted outer jacket allows speedy installation with and without the use of air

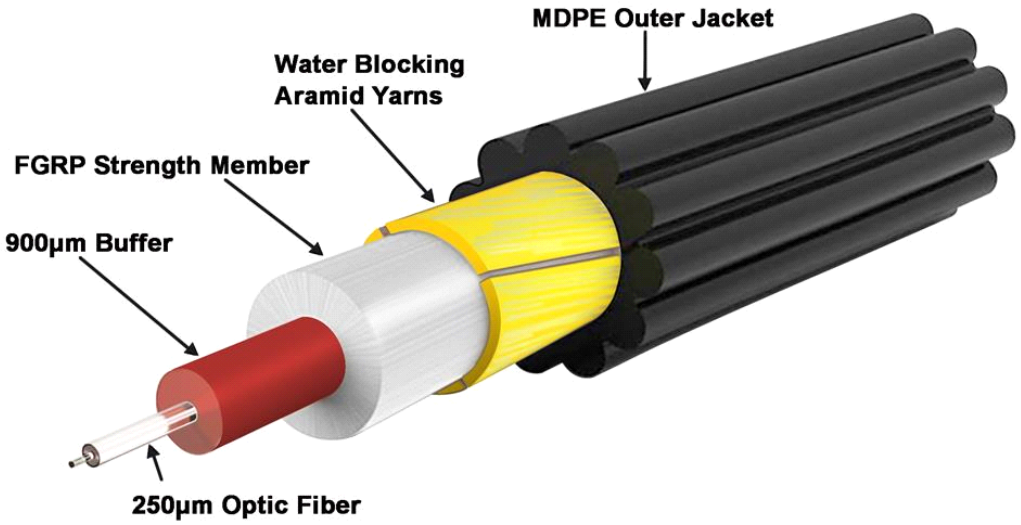
Product Classification

Portfolio	NETCONNECT®
Product Type	Fiber drop cable
Regional Availability	Asia | Australia/New Zealand | EMEA | North America

Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-104-696 | IEC 60794-1-2 | Telcordia GR-20

Representative Image



General Specifications

Cable Type	Tight buffer
Construction Type	Non-armored

Construction Materials

Total Fiber Count	1
Fiber Type	G.657.A2
Fibers per Subunit, quantity	1
Inner Jacket Color	Red
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	0.90 mm | 0.04 in
Cable Length	1524 m | 5000 ft
Cable Weight	14.0 kg/km
Diameter Over Jacket	3.50 mm | 0.14 in

Physical Specifications

Minimum Bend Radius, loaded	75.0 mm | 3.0 in
Tensile Load, long term, maximum	295 N | 66 lbf
Tensile Load, short term, maximum	850 N | 191 lbf

Environmental Specifications

Environmental Space	Air-blown, microduct
Installation Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

Mechanical Test Specifications

Compression	220 N•m
Compression Test Method	FOTP-41
Flex	25 cycles
Flex Test Method	FOTP-104
Impact	2.90 N-m | 2.14 ft lb
Impact Test Method	FOTP-25
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33
Twist	10 cycles
Twist Test Method	FOTP-85

Regulatory Compliance/Certifications

Agency	**Classification**
RoHS 2011/65/EU	Compliant

Included Products

CS-8G-TB (Product Component—not orderable) — Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

Product Classification

Portfolio	CommScope®
Product Type	Optical fiber

Optical Specifications, Wavelength Specific

Standards Compliance	ITU-T G.657.A2 | ITU-T G.657.B2
Attenuation, maximum	0.50 dB/km @ 1,310 nm | 0.50 dB/km @ 1,385 nm | 0.50 dB/km @ 1,550 nm
Dispersion, maximum	18 ps(nm-km) at 1550 nm | 3.5 ps(nm-km) from 1285 nm to 1330 nm at 1310 nm
Mode Field Diameter	8.8 µm @ 1,310 nm | 9.9 µm @ 1,550 nm
Mode Field Diameter Tolerance	±0.4 µm @ 1310 nm | ±0.5 µm @ 1550 nm
Index of Refraction	1.467 @ 1,310 nm | 1.467 @ 1,385 nm | 1.468 @ 1,550 nm
Polarization Mode Dispersion Link Design Value, maximum	0.06 ps/sqrt(km)

Physical Specifications

Cladding Diameter	125.0 µm
Cladding Diameter Tolerance	±0.7 µm
Cladding Non-Circularity, maximum	0.7 %
Coating Diameter (Colored)	254 µm
Coating Diameter (Uncolored)	240 µm
Coating Diameter Tolerance (Colored)	±7 µm
Coating Diameter Tolerance (Uncolored)	±5 µm
Coating/Cladding Concentricity Error, maximum	12 µm
Core/Clad Offset, maximum	0.5 µm

Optical Specifications, General

Cabled Cutoff Wavelength, maximum	1260 nm
Point Defects, maximum	0.10 dB
Zero Dispersion Slope, maximum	0.092 ps/[km-nm-nm]
Zero Dispersion Wavelength, maximum	1322 nm
Zero Dispersion Wavelength, minimum	1302 nm

Mechanical Specifications

Coating Strip Force, maximum	8.9 N | 2.0 lbf
Coating Strip Force, minimum	1.3 N | 0.3 lbf

Dynamic Fatigue Parameter, minimum	20
Fiber Curl, minimum	4.0 m | 13.1 ft
Macrobending, 15 mm mandrel, 1 turn	0.50 dB @ 1,550 nm | 1.00 dB @ 1,625 nm
Macrobending, 20 mm mandrel, 1 turn	0.10 dB @ 1,550 nm | 0.20 dB @ 1,625 nm
Macrobending, 30 mm mandrel, 10 turns	0.03 dB @ 1,550 nm | 0.10 dB @ 1,625 nm
Proof Test	689.48 N/mm² | 100000.00 psi

Environmental Specifications

Heat Aging, maximum	0.05 dB/km @ 85 °C
Temperature Dependence, maximum	0.05 dB/km
Temperature Humidity Cycling, maximum	0.05 dB/km
Water Immersion, maximum	0.05 dB/km @ 23 °C

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Temperature Dependence, maximum	Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F)
Temperature Humidity Cycling, maximum	Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 °F) up to 95% relative humidity