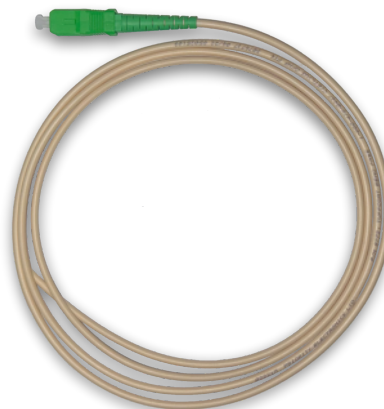


3mm Tuffcoat Bend Free MDU Indoor Drop Cable Assemblies



Applications:

- Fiber-to-the-Home (FTTH) deployments, providing the last stretch of fiber connection from the building's infrastructure to the subscriber's premises.

Features:

- Available in custom lengths with SC and LC connectors both ends or as a stub
- Can be attached to structural elements with "off the shelf" cable staples
- Specifically designed to allow placement in tight 90 degree bends & small diameter slack loops
- Flexible, flame retardant and abrasion resistant outer jacket
- Neutral jacket color aids in confirming to aesthetic demands

Technical Specifications

CABLE CONSTRUCTION	One (1) 900µm tight buffered optical fiber, with the appropriate engineered tensile strength yarns, is surrounded by a flame retardant thermoplastic jacket.
OPTICAL FIBER	Fiber Type: Bend-Insensitive Dispersion-Unshifted, Single Mode Optical Fiber Applicable Specification: ITU-T G.652 & ITU-T G.657
KEY OPTICAL ATTRIBUTES	Mode Field Diameter at 1310nm : $8.8 \pm 0.4 \mu\text{m}$ Mode Field Diameter at 1550nm : $9.8 \pm 0.5 \mu\text{m}$ Zero Dispersion Wavelength : $1300 \text{ nm} < \lambda_0 < 1324 \text{ nm}$ Zero Dispersion Slope : $0.092 \text{ ps/nm}^2 \text{ km}$ Cable Cutoff Wavelength : 1260 nm PMD Link Design Value : 0.06 ps/sqrt km Effective Group Index @ 1310 nm : 1.467 Effective Group Index @ 1550 nm : 1.467 Effective Group Index @ 1625 nm : 1.468
ATTENUATION PERFORMANCE	0.4 dB/Km @ 1310nm 0.4 dB/Km @ 1383nm 0.3 dB/Km @ 1550nm
OUTSIDE DIAMETER	2.9 mm (0.114 in) Nominal

CABLE WEIGHT	8 (5) kg/km (lbs/1000 ft) Nominal
MECHANICAL PROPERTIES	Maximum Installation Tension: 220 N (50 lbs)
	Maximum Operating Tension: 66 N (15 lbs)
	Minimum Bend Radius Installation: 7.5 mm (0.3 in)
	Minimum Bend Radius Operating: 7.5 mm (0.3 in)
ENVIRONMENTAL PROPERTIES	Storage Temperature: -40°C to +80°C
	Operating Temperature: -20°C to +50°C
	Installation Temperature: 0°C to +50°C
NEC LISTING	Type OFNP (US) / FT-6 (CSA)
DESIGN AND TEST CRITERIA	ANSI/ICEA S-83-596
	Telcordia GR-409-CORE
	RoHS Compliant
PERFORMANCE VERIFICATION	Cable evaluated using American National Standards Institute (ANSI) approved Fiber
	FOTP-3 "Procedure to Measure Temperature Cycling Effects on Optical Fibers, Optical Cable, and other Passive Fiber Optic Components."
	FOTP-25 "Repeated Impact Testing of Fiber Optic Cables and Cable Assemblies"
	FOTP-33 "Fiber Optic Cable Tensile Loading and Bending Test"
	FOTP-37 "Fiber Optic Bend Test Low and High Temperature"
	FOTP-41 "Compressive Loading Resistance of Fiber Optic Cables"
	FOTP-82 "Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable"
	FOTP-85 "Fiber Optic Cable Twist Test"
	FOTP-104 "Fiber Optic Cable Cyclic Flexing Test"

