

Fiber Optic Drop Cable Assembly (Toneable/Non-Toneable)

North America



SPECIFICATIONS

Fiber Optic Drop Cable assemblies shall be available for Toneable and Non-Toneable applications. Each assembly shall include an outdoor connector compatible with Corning Incorporated authorized products and simplex fiber with a gel-filled single tube design. They shall be self-supporting with dielectric strength members and have crush-resistant properties capable of withstanding a 5 meter drop onto a rigid surface. Additionally, the drop cable assemblies shall be water-resistant for up to 7 days.



STANDARDS

Meets or exceeds:	Telcordia GR-3120-CORE
Restriction of Hazardous Substances (RoHS) Compliance:	RoHS Compliant

CONSTRUCTION

Fiber count:	1 Fiber - Toneable, Self-Supporting 1 Fiber - Non-Toneable, Self-Supporting
Outer jacket rating:	Polyethylene (PE)
Gel:	Gel-filled
Fiber types:	G.652.D (OS2)
Wavelengths:	1310nm, 1383nm, 1550nm
Connector types end "A":	OptiTap Connector
Jacket color:	Black
Connector types end "B":	Unterminated

APPLICATIONS

The pre-terminated and environmentally sealed optical cable assembly from Panduit is a solution designed for swift and efficient deployment in Fiber to the Home (FTTx) networks. Featuring a user-friendly plug-and-play connector and a practical stub end, this assembly facilitates quick, hassle-free installations. Designed to meet the demands of various installation scenarios, it significantly reduces both installation time and costs as well as ensures reliable performance in diverse environmental conditions, making it an ideal choice for modern fiber optic network installations.

PHYSICAL AND MECHANICAL PROPERTIES

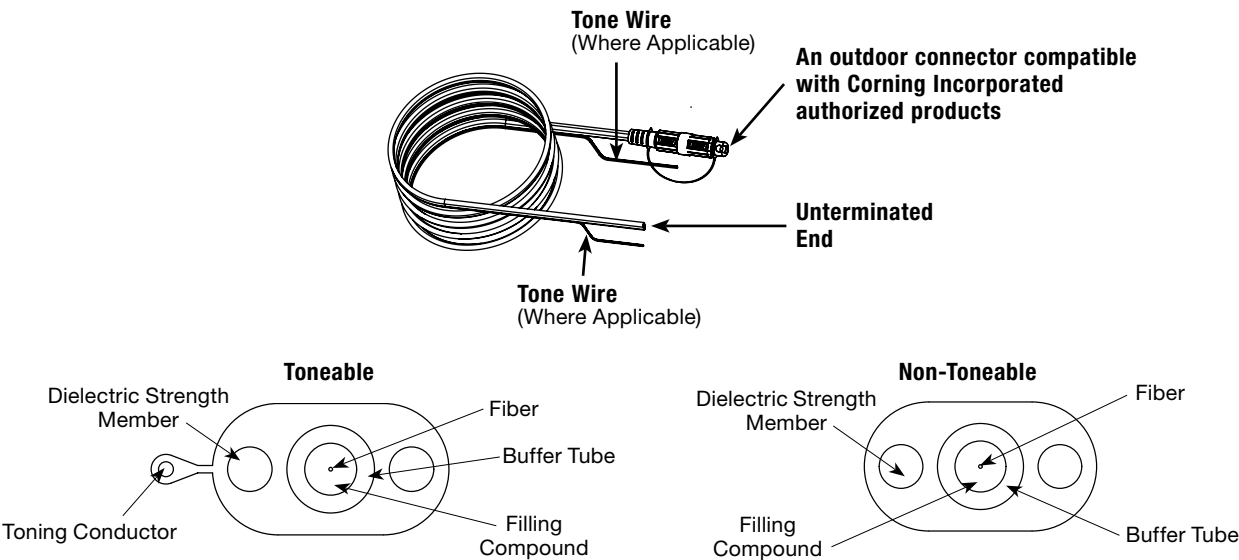
Cable outside diameter:	Toneable: 10.2mm x 4.7mm (0.401 in. x 0.185 in.) Non-toneable: 8.1mm x 4.5mm (0.318 in. x 0.177 in.)
Buffer tube diameter:	3mm (0.118 in.)
Connector pull force:	445 N (100.4 lbf)
Connector durability:	50 cycles
Bend radius (minimum):	80mm (3.150 in.)
Max cable tensile strength, (short term):	1350 N
Max cable tensile strength, (long term):	400 N
Temperature ratings:	Storage: -40°C to +70°C (-40°F to +158°F) Operation: -40°C to +70°C (-40°F to +158°F) Installation: -30°C to +70°C (-22°F to +158°F)

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OPTICAL PROPERTIES

Typical insertion loss (IL):	0.15dB max.
Typical return loss (RL):	-65dB min.
Maximum attenuation:	0.4dB/km (1310nm) 0.4dB/km (1383nm) 0.3dB/km (1550nm)

ENGINEERING DRAWING



ORDERING INFORMATION LIST

Part Number	Description
Non-Toneable Assemblies	
FHDCDPT-0050	Fiber hardenend drop cable, dielectric, plug-to-pigtail, 50 ft.
FHDCDPT-0^	Fiber hardenend drop cable, dielectric, plug-to-pigtail, 100 ft. – 1000 ft.^
Toneable Assemblies	
FHDCTPT-0050	Fiber hardenend drop cable, toneable, plug-to-pigtail, 50 ft.
FHDCTPT-0^	Fiber hardenend drop cable, toneable, plug-to-pigtail, 100 ft. – 1000 ft.^

^Feet lengths: 100 – 1000 (every 100 ft.)

All listed FTTX products that are purchased by customers for shipment in the United States are subject to the Limited General Applicability Nonavailability Waiver of the Buy America Domestic Content Procurement Preference for recipients of Federal financial assistance under NTIA's BEAD Program (the "BEAD Waiver"). The BEAD Waiver is a waiver to BABA's domestic content requirements for fiber optic cable.

TAA Compliant

All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

Be sure to consult the applicable project terms to ensure you are supplying compliant product. This document does not provide legal advice and buyer is responsible for its own compliance with applicable laws and regulations.

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