

FTTP Tight Buffered Indoor/Outdoor Drop

Series W7

PRODUCT DESCRIPTION

Series W7 FTTP is the first indoor/outdoor drop cable that is rugged enough for outdoor environments and flexible enough for tight bends within residences. The patent-pending design utilizes a fully functional 2.9 mm OFNR rated simplex tight buffer cable as the core of a GR-20 OSP rated FTTP small flat cable. The key benefit of this cable is that it can be installed from the pedestal to the indoor ONT (Optical Network Terminal) with no intermediate termination. Significant installation savings can be realized by avoiding splicing or termination on the outside or inside wall of the residence. Further savings are realized by using an indoor ONT that does not require an electrician to install. This completely dry, flat drop cable is available in universal and toneable designs that are suitable for aerial, direct bury or conduit installation. A water-blocking thread is used to prevent water penetration.

APPLICATIONS

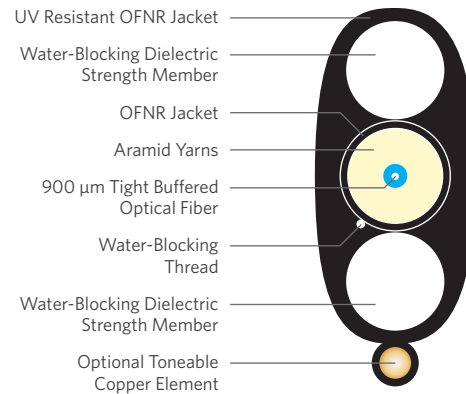
- Drop cables for aerial, direct bury or conduit installations
- Fiber to the premise for single family residences

FEATURES

- Universal design
- Toneable design
- Dielectric rods
- Indoor/outdoor design
- Meets GR-20 specifications
- Cable in a cable
- TeraFlex® fiber in a flexible tight buffer cable design

BENEFITS

- Aerial, direct bury or conduit, all dielectric
- Copper element allows for toneable location
- Excellent crush resistance
- Tight Buffered cable can be placed in a riser environment and is UL listed
- Industry accepted standard for OSP installations
- Eliminates splice at premises wall
- Inner cable can be wrapped around corners and stapled with no attenuation issues



SPECIFICATIONS

Maximum Span Length at 1% Sag ft (m)
 Light Loading: 350 (101)
 Medium Loading: 275 (84)
 Heavy Loading: 150 (46)

Standards Compliance
 Telcordia GR-20-CORE
 Telcordia GR-409-CORE
 RoHS-compliant

ENVIRONMENTAL SPECIFICATIONS

Operation/Storage -40°C to +70°C
Installation -10°C to +70°C

MACRO BENDING PERFORMANCE

Configuration	ITU G 657 A	TeraFlex SMF
10 Turns on 15 mm Radius Mandrel		
Macro bending loss @ 1550 nm	0.25 dB Max.	≤ 0.20 dB
Macro bending loss @ 1625 nm	1.00 dB Max.	≤ 0.50 dB
1 Turn on 10 mm Radius Mandrel		
Macro bending loss @ 1550 nm	0.75 dB Max.	≤ 0.20 dB
Macro bending loss @ 1625 nm	1.50 dB Max.	≤ 0.20 dB

TeraFlex is an ITU G 657 A optical fiber that is completely compatible with ITU G 652 D optical fibers. TeraFlex exceeds the performance standards of ITU G 657 A as listed above.

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number ¹	Configuration	Nominal Dimensions			Nominal Weight lbs/kft (kg/km)	Cable Tensile Load		Cable Bend Radius		Simplex Bend Radius	
		Minor in (mm)	Major in (mm)	Simplex in (mm)		Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)	Install in (mm)	Long Term in (mm)
W7001KU01	Universal	0.17 (4.4)	0.29 (7.4)	0.11 (2.9)	29 (44)	300 (1,350)	90 (405)	3.6 (91)	1.8 (46)	2.2 (56)	1.1 (28)
W7001K101	Toneable	0.17 (4.4)	0.29 (7.4)	0.11 (2.9)	31 (47)	300 (1,350)	90 (405)	3.6 (91)	1.8 (46)	2.2 (56)	1.1 (28)

PART NUMBER KEY

W	7	0	0	1	K	U or 1	0	_
1	2	3	4	5	6	7	8	9
product family	fiber count (001)			fiber type	Universal or Toneable	internal designator	water block/ marking (1-8)	

Contact Customer Service for availability of non-standard offerings.

See "Optical Fiber Cable" options in the "Technical Info" section for flooding and jacket marking options.