

Cell Site (CS) Pluggable Drop Cable



Features and Benefits

Fast and Easy Installation

- The assembly can eliminate or reduce field splicing using factory mounted high performance connectors
- Standard single fiber connectors plug into standard SC or LC ports
- Faster, easier reliable cable pull
- Flexible lightweight cable
- Pulling sock removable in less than 1 minute
- No fusion equipment or power needed

Reliable Installation

- AccuDRY® Indoor/Outdoor Riser Rated Cable provides dependable, fast installation
- Protective pulling sock rated at 100 lbs. max tension
- Bulk cable tension max. 300 lbs.

Reliable Service

- Features bend-optimized AllWave® *FLEX+* Fiber and factory installed connectors
- Compliant with relevant Telcordia, ICEA, IEEE 802(s), TIA, and IEC standards
- If field splicing is preferred, FITEL® Fusion Splice on Connectors (SOC) avoid risks of mechanical splice on connectors

Secure Deployment

- Standard connectors fit in box; no exposed OSP connectors

Compact Packing

- 75% smaller slack storage vs. most conventional OSP drop cable
- Splice storage eliminated with FITEL fusion splice on connectors

Overview

The CS Pluggable Drop Cable is a factory connectorized assembly featuring AccuDRY Indoor/Outdoor Cables with SC or LC connectors mounted on one or both ends. Available with 4, 6, 8 and 12 fibers, these assemblies are factory terminated to help ensure high quality and reliability with low insertion loss, while providing easy field termination that can speed up deployment and lower installation costs.

The assemblies are designed for quick deployment in conduits, and plug and play into the cell site equipment. They are shipped with a pulling eye, and factory-mounted and tested low-loss connectors. The pulling eye on the outside end provides a means of rapidly installing the cable while protecting the connectors and enabling a pulling force of up to 100 lbs.

The CS Pluggable Drop Cable features bend-optimized AllWave *FLEX+* ZWP Optical Fiber in the AccuDRY Cables. AllWave *FLEX+* ZWP Fiber provides improved performance in tight installations and low installed loss over the full range of wavelengths. The AccuDRY Indoor/Outdoor Cable can transition from outdoors into hubs, cabinets and pedestal applications, and is riser-rated to be run through buildings if necessary.



A Furukawa Company

Cell Site Pluggable Drop Cable

Connector Performance		
Property	SC Connector	LC Connector
Insertion Loss	<0.35 dB	<0.25 dB
Return Loss	>55 dB	>55 dB
Insertion Loss Stability	<0.3 dB	<0.3 dB
Temperature Range	-40 °C to 75 °C	-40 °C to 75 °C



AccuDRY Overview

The AccuDRY Cable is a lightweight, compact indoor/outdoor cable that uses 900 µm tight buffered fiber for robust, direct termination with connectors. An UV-resistant flame-retardant jacking and water-swappable aramid reinforcements allow its use in outdoor environment, avoiding the need for splicing at building entrances.

AccuDRY® Riser-Rated Cable with AllWave® FLEX Single-mode Fiber

Part Number	Fiber Count	Maximum Tensile Rating	Nominal Diameter	Nominal Weight	Max. Attenuation, 1310 nm	Max. Attenuation, 1550 nm
LGIO-004E-WRK	4	300 lb. (1330 N)	4.65 ± 0.2 mm	17.2 kg/km	0.4 dB/km	0.3 dB/km
LGIO-006E-WRK	6	300 lb. (1330 N)	5.0 ± 0.2 mm	22.5 kg/km	0.4 dB/km	0.3 dB/km
LGIO-008E-WRK	8	300 lb. (1330 N)	6.0 ± 0.2 mm	27.3 kg/km	0.4 dB/km	0.3 dB/km
LGIO-012E-WRK	12	300 lb. (1330 N)	6.7 ± 0.2 mm	38.9 kg/km	0.4 dB/km	0.3 dB/km

Pluggable Drop Cable Ordering Scheme

Example: LPC2-W-LCUSCU-IO9R-008-300F-CELLv1

Part Number: **LPC2-7-XXXYYY-IO9R-ZZZ-NNNF-CELLv1**

LPC2 = Special Designed Cable	ZZZ = Fiber Count: 004, 006, 008, 012
W = AllWave® FLEX+ ZWP Optical Fiber	NNN = Length: Available in a wide range of lengths measured butt to butt in feet
XXXYYY = Inside end/outside end connectors available in LCU, SCU, LCA and SCA	F = Length unit designator (feet)
IO9R = AccuDry Indoor/Outdoor Cable 900 µm tight buffered fiber which is up-jacketed to 2.0 mm cordage	Cellv1 = Defines the specifics of the LPC2 with breakout lengths of 36 inches staggered connectors in groups of 2 fibers with a pulling eye on the outside end and a protective cover on the inside end

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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