

AccuDRY® Cable

Indoor/Outdoor



A Furukawa Company

Enhanced, High-Performance Cable Offers Increased Temperature Range and Easy Connectivity

Product Description

Over the years, the AccuDRY® Indoor/Outdoor Cable has earned a rock-solid reputation as a reliable and cost-effective, high-performance cabling solution for a wide range of premises and indoor/outdoor applications.

At OFS, we continually seek new ways to support our customers' infrastructure needs. That's why we've enhanced our AccuDRY cable design to offer an even broader operating temperature range while also maintaining excellent attenuation performance and dimensional control, even when using multimode fiber.

Available in both riser-rated and low smoke, zero halogen-rated (LSZH) designs, the AccuDRY Indoor/Outdoor Cable is an ideal choice for cell tower, wind farm and other industrial applications, as well as a broad range of premises and indoor/outdoor applications.

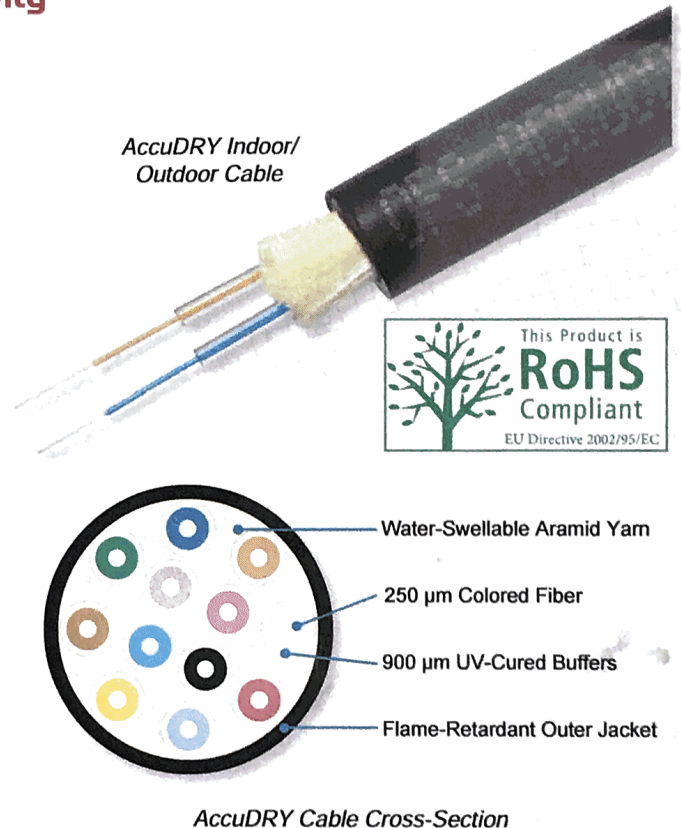
The construction of this cable begins with the selection of between 2 and twelve 250 micron (μm) colored optical fibers. The fibers are then buffered to 900 μm in a special transparent, UV-curable acrylate polymer that enhances resistance to the effects of extreme cold. This crosslinked polymer coating also helps minimize the induced attenuation sometimes associated with tight-buffered cable. Furthermore, this unique, clear acrylate makes the optical fiber colors appear extremely vivid.

For added strength and protection, the polymer-coated fibers are then surrounded by water-absorbing aramid yarns. Finally, the construction is completed with the application of indoor/outdoor-rated, flame-retardant jacketing for increased durability and resistance to UV light and fungal growth.

Why the AccuDRY Cable?

The AccuDRY Indoor/Outdoor Cable is an ideal solution for providers who need a low-fiber-count, indoor/outdoor cable that is compact and easy-to-install, yet durable enough to withstand exposure to the elements, including low temperatures.

In a patent-pending process, the colored optical fibers are completely encased in a transparent UV-curable acrylate polymer that provides increased protection from weather extremes. This special design also inhibits thermal expansion and contraction of the buffer materials, helping to



ensure low attenuation and a high degree of dimensional control.

This optimized design combines with OFS' superior optical fiber to create a completely gel-free cable that delivers excellent attenuation and optical performance for all indoor/outdoor applications. The result is a "connector-ready" cable that allows easy direct termination, removing the need for entrance splicing. In this way, the AccuDRY Indoor/Outdoor Cable helps save on equipment costs and installation time by allowing direct transition from indoor to outdoor applications using a single cable. By eliminating messy gels and flooding compounds, the AccuDRY Indoor/Outdoor Cable is a craft-friendly cable that helps save on installation time and cost, while helping keep your work space clean and safe.

The AccuDRY Indoor/Outdoor Cable is an excellent choice for the final installation component in cell site towers, wind farms and other industrial applications. It can also handle virtually any application between buildings on a campus, or from a manhole to the frame – for nearly all indoor/outdoor environments.

Features and Benefits:

- Enhanced design helps ensure outstanding performance and reliability with a broader cable operating temperature range
- Totally gel-free, waterproof cable helps save on deployment time and expense
- Facilitates easy installation in space-constrained areas
- Superior tight buffering over a proprietary coating for a "connector-ready" cable (no entrance splicing needed)
- Saves on equipment costs and installation time with direct transition from indoor to outdoor applications
- Excellent choice for cell site towers, wind farm and other industrial applications
- Appropriate for virtually any indoor/outdoor application
- Riser cables available with 2 to 12 fibers; Dual Rated (LSZH + UL1666) 2 to 12 fibers
- ROHS compliant; rated for riser use (UL 1666 and CSA/OFN FT4) and LSZH applications (IEC 60332-3C, IEC 60134-2, NES 713 and IEC 60754-2)

Specifications

Fiber Count:	OFNR Riser					Dual Rated				
	2	4	6	8	12	2	4	6	8	12
Cable Outer Diameter – mm (in)	5.5 (0.22)	5.5 (0.22)	5.5 (0.22)	6.0 (0.24)	6.4 (0.25)	5.5 (0.217)	5.5 (0.217)	5.5 (0.217)	5.5 (0.217)	5.7 (0.224)
Cable Weight – lb/kft (kgm/km)	28.75 (19.32)	30.18 (20.28)	31.62 (21.25)	33.04 (22.20)	34.03 (22.86)	30.61 (20.3)	29.29 (19.7)	28.92 (19.4)	26.44 (17.8)	28.23 (19.0)

Note: OD's are for reference only and may vary due to processing conditions

Performance Standard

Tested per Applicable Requirements of UL 1666 and CSA/OFN FT4 (Riser) and IEC 60332-3C, IEC 61034-2, NES 713 and IEC 60754-2 (LSZH).

Fibers Available

Multimode cables are available with fibers that are compliant to ISO IEC 11801: OM1, OM2, OM3, OM4, OS1 and OS2
As well as Single-Mode cables compliant with ITU-T, G.652 and G.657

Handling

	All Multimode Cables		AllWave® FLEX+ ZWP Cable	
	With Load	With No Load	With Load	With No Load
≤ 12 Fibers	15 x Cable OD*	10 x Cable OD	15 x Cable OD	8 x Cable OD
900 μm Buffered Fiber	0.25 in (0.635 cm)	0.75 in. (1.9 cm)	0.25 in. (0.635 cm)	0.40 in. (1.0 cm)

* OD = Outer Diameter,

Maximum Tensile Rating lb (N): 300 (1334)

Temperature: Installation: -40 to 60 °C (-4 to 140 °F)
Operation: -40 to 70 °C (-40 to 158 °F)
Storage: -40 to 70 °C (-40 to 158 °F)

Fiber Type ²					
Code	Single-Mode Descriptor	Grade	1310 nm	1550 nm	MCA (Z)
W	AllWave FLEX+ ZWP Bend-Optimized Single-Mode Fiber	G.657.A2	0.4 (dB/km)	0.3	4
7	AllWave FLEX+ Enhanced Bend-Optimized Single-Mode Fiber	G.657.A2	0.4	0.3	4
D	EZ-Bend® Ultra Bend Single-Mode	G657B3	0.4	0.3	4
Multimode Descriptor			850 nm	1300 nm	MCA (Z)
L	62.5/1245 Multimode	OM1	3.4 (dB/km)	1.0	U
K	LaserWave® FLEX G+ Multimode Fiber	OM2	3.5	1.5	G
3	LaserWave FLEX 300 Multimode Fiber	OM3	3.5	1.5	G
5	LaserWave FLEX 550 Multimode Fiber	OM4	3.5	1.5	G

AccuDRY Cable Ordering Scheme

Example: LGIO-012E-5DK-G-5.7mm¹

Part DESCRIPTOR: **LGIO - NNN E - W X Y - Z - D**

LGIO = AccuDRY Indoor/Outdoor Cable

NNN = Fiber Count

002, 004, 006, 008 and 012

E = Version Number (default)

W = Fiber Type (see chart)

X = Jacket Material (flame retardant)

R = Riser

D = LSZH Dual Rated

Y = Jacket Color²

K = Black (default color)

Z = Maximum Cable Attenuation (MCA)

4 = AllWave FLEX + and AllWave FLEX + Enhanced

D = Outer Diameter (Nominal)

See OD chart above.

¹ Part Descriptor shown is for a Riser-Rated AccuDRY Cable with 12 LaserWave 550 Multimode Fibers and standard cable print:

Standard Print, example (AccuDRY Indoor/Outdoor Cable):

OFS ACCUDRY LASERWAVE FLEX 550 OPTICAL CABLE - C - LGIO-012E-5DK-G-5.7mm C (UL) US TYPE OFNR
[CSA OFN FT4] [LOT NUMBER] [LENGTH IN FEET]

² Contact OFS for availability of alternative jacket colors.