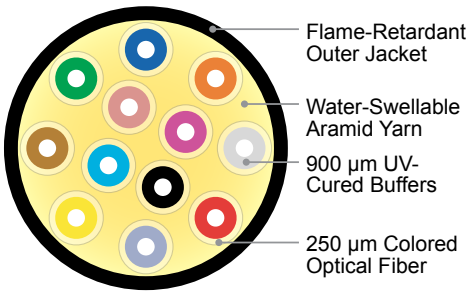
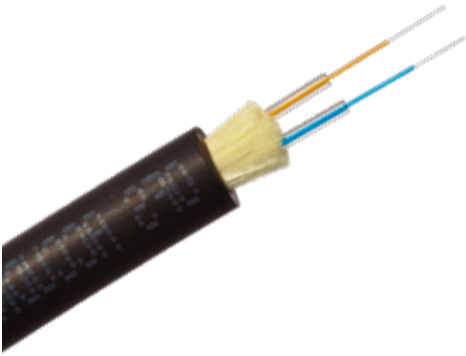




A Furukawa Company

## AccuDRY® Indoor/Outdoor Fiber Optic Cable

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



**AccuDRY Indoor/Outdoor Cable  
2-12 Fiber Cross Section**

### Features and Benefits

- Appropriate for virtually any indoor/outdoor application
- Indoor ready with compliant flame ratings
- Broad cable operating temperature range -40 °C to +70 °C
- Totally gel-free, waterproof cable helps save on deployment time and expense
- UV protective outer jackets ideal for outdoor use
- Compact design facilitates easy installation in tight spaces
- Superior tight buffering over a proprietary coating for a “connector-ready” cable (no entrance splicing needed)
- Excellent choice for cell site towers, wind farm and other industrial applications
- Dual Rated (LSZH + UL 1666) 2 to 12 fibers; Riser cables available with 18 and 24 fibers and Plenum 2 to 144 fibers

### 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.

Now available in riser, plenum and low smoke, zero halogen (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 Dual Rated LSZH product is highly recommended for multiregional applications needing both Riser and CPR fire ratings. LSZH is available with 2-12 fibers. The Riser rated products are available in 18 and 24 fiber counts using a single jacket construction (no subunits). The latest addition to the product family are the Plenum rated products classified as Plenum Standard or Harsh Environment (HE). Standard designs comply with GR409 backbone ratings versus HE designs go beyond the standard with higher tensile ratings for those extremely demanding applications. Standard Plenum ranges from 2-24 fibers while the HE design ranges from 2-144 fibers.

The foundation of each design starts with OFS world class fibers coated in specifically selected materials to make 900 micron tight buffers. These tight buffers must meet the extreme temperature ratings of -40 °C to 70 °C making them the heart of the design. All designs are then enveloped in layers of aramid yarns with the highly engineered exterior jacket materials meeting the demands of indoor/outdoor applications while providing flame protection.

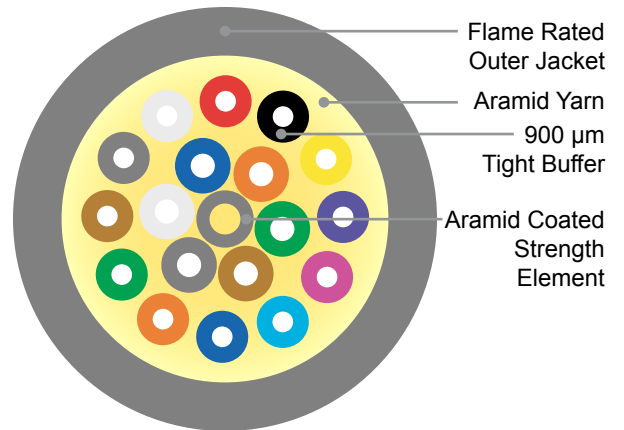
## Why the AccuDRY Cable?

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

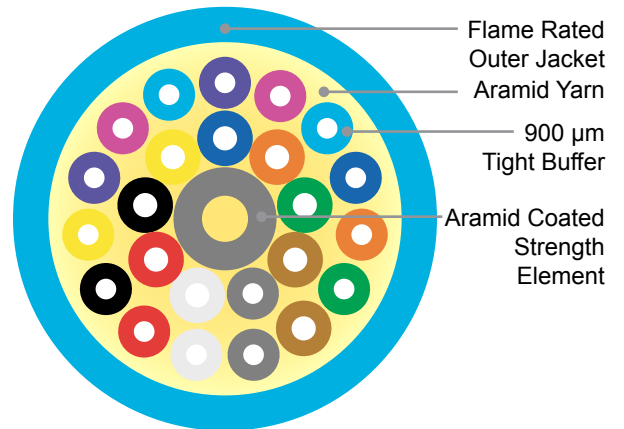
The lower count 2-12 Dual Rated LSZH designs use a patented process which encases the fibers in a transparent UV-curable acrylate polymer that provides increased protection from weather extremes. This special design also inhibits thermal expansion and contraction of the buffer materials, helping to ensure 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, business to business connections, 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.



**18 Fiber in Riser,  
Standard Plenum Single Jacket**



**24 Fiber in Riser,  
Standard Plenum Single Jacket**

Temperature Range		
<b>Installation</b>	-40 °C to 60 °C (-40 °F to 140 °F)	
<b>Operation</b>	-40 °C to 70 °C (-40 °F to 158 °F)	
<b>Storage</b>	-40 °C to 70 °C (-40 °F to 158 °F)	
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), Plenum per NFPA 262 (UL910)		
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		
<b>All Multimode Cables</b>		
	<b>With Load</b>	<b>With No Load</b>
<b>≤12 Fibers</b>	15 x Cable OD*	10 x Cable OD
<b>900 µm Buffered Fiber cm (in.)</b>	0.635 (0.25)	1.9 (0.75)
<b>Maximum Tensile Rating</b>	1334 N (300 lb)	
<b>AllWave® FLEX+ ZWP Cable</b>		
	<b>With Load</b>	<b>With No Load</b>
<b>≤12 Fibers</b>	15 x Cable OD	8 x Cable OD
<b>900 µm Buffered Fiber cm (in.)</b>	0.635 (0.25)	1.0 (0.40)
<b>Maximum Tensile Rating</b>	1334 N (300 lb)	
<b>NOTE*</b> : OD = Cable Outer Diameter		

Dual Rated LSZH (UL666 & CPR) (LGIO)						Riser Rated (UL666)	
Fiber Count	2	4	6	8	12	18	24
Version	E	E	E	E	E	F	F
Buffer Type	UV-Cured	UV-Cured	UV-Cured	UV-Cured	UV-Cured	PVC	PVC
Outer Diameter - in. (mm)	0.21 (5.5)	0.21 (5.5)	0.21 (5.5)	0.21 (5.5)	0.22 (5.7)	0.28 (7.1)	0.28 (7.2)
Weight - lb/kft (kg/km)	20.6 (30.6)	19.3 (28.8)	19.4 (28.9)	17.7 (26.4)	19.0 (28.2)	32.3 (48)	47.0 (70)
MRCL - lb (N)	300 (1335)	300 (1335)	300 (1335)	300 (1335)	300 (1335)	150 (667)	150 (667)
CPR Rating	Dca-s1, d1, a1			Dca-s2, d1, a1			
DoP Lookup: www.ofs-sales.com/cpr/	LGIO-XXX-E-D (XXX = 002 or 004)			LGIO-XXX-E-D (XXX = 006, 008, or 012)			

**NOTE:** AccuDry Indoor/Outdoor LSZH Dual Rated cables and Riser cables are a single jacket design.

Plenum Standard Rated							
Fiber Count	2	4	6	8	12	18	24
Version	F	F	F	F	F	F	F
Buffer Type	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Outer Diameter - in. (mm)	0.17 (4.3)	0.17 (4.3)	0.17 (4.3)	0.18 (4.6)	0.20 (5.2)	0.26 (6.7)	0.28 (7.0)
Weight - lb/kft (kg/km)	12 (18)	13 (19)	12 (18)	14 (21)	18 (26)	29 (44)	41 (61)
MRCL - lb (N)	150 (667)	150 (667)	150 (667)	150 (667)	150 (667)	150 (667)	300 (1335)
Strength Element (SE)*	N/A	N/A	N/A	N/A	N/A	AC	AC

**NOTE:** AccuDry Indoor/Outdoor Plenum Rated cables are a single jacket design.

**Strength Element (SE)\***

- AC = Aramid Coated
- GRPC = Glass Rod Coated
- GRP = Glass Rod No Coat

**12 Fiber Harsh Environment Unjacketed**

**24 Fiber Harsh Environment Jacketed**

**36 Fiber and Above: Use 12 Fiber Subunits**

Plenum Harsh Environment Rated												
Fiber Count	2	4	6	8	12	18	24	36	48	72	96	144
Version	F	F	F	F	F	F	F	E	E	E	E	E
Buffer Type	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Outer Diameter - in. (mm)	0.17 (4.6)	0.19 (4.8)	0.21 (5.3)	0.22 (5.6)	0.26 (6.5)	0.26 (6.6)	0.29 (7.3)	0.52 (13.2)	0.58 (14.7)	0.70 (17.8)	0.87 (22.0)	0.90 (22.8)
Weight - lb/kft (kg/km)	12 (17.9)	13 (19)	18 (26)	22 (32)	44 (30)	42 (29)	53 (36)	112 (166)	136 (202)	212 (316)	313 (466)	318 (474)
MRCL - lb (N)	150 (667)	150 (667)	300 (1335)	300 (1335)	300 (1335)	300 (1335)	300 (1335)	300 (1335)	600 (2668)	600 (2668)	800 (3558)	1000 (4445)
Strength Element (SE)*	N/A	N/A	GRP	GRP	GRPC	GRP	GRPC	GRP	GRP	GRPC	GRPC	GRP
Fibers per Tube								12	12	12	12	12
Number of Positions								3	4	6	8	12

**NOTE:** 2- to 24-fiber AccuDry Indoor/Outdoor Plenum Rated (HE) cables are a single tube design.

36- to 144-fiber AccuDry Indoor/Outdoor Plenum Rated (HE) cables are a multi tube design.

## Ordering Information

Example: LGI0-012E-5DK-G-5.7mm<sup>1</sup>

Part Number: **LGIO** - *NNN* **V** - *W* **X** *Y* - **Z** - *D* - HE

<b>LGIO</b> = AccuDRY Indoor/Outdoor Cable	<b>Y</b> = Jacket Color K = Black ( <i>default color</i> )
<b>NNN</b> = Fiber Count 002 - 012 (Dual Rated LSZH) 018 & 024 (Riser Rated) 002 - 024 (Plenum Standard Rated) 002 - 144 (Plenum Rated for Harsh Environments)	<b>Z</b> = Maximum Cable Attenuation (MCA) <b>Singlemode</b> 4 = 0.4/0.3 dB/km @ 1310/1550 nm (Dual Rated LSZH) 9 = 0.4/0.3 dB/km @ 1310/1550 nm (Riser Plenum) <b>Multimode</b> G = 3.5/1.5 dB/km @ 850/1300 nm (LaserWave <i>FLEX</i> )
<b>V</b> = Version Number <i>See specifications for version.</i>	<b>D</b> = Outer Diameter (nominal) <i>See specifications for outer diameter.</i>
<b>W</b> = Fiber Type <sup>2</sup> ( <i>see chart</i> )	<b>HE</b> = Harsh Environment (Blank for all others)
<b>X</b> = Jacket Material ( <i>Flame Retardant</i> ) D = Dual Rated LSZH R = Riser P = Plenum	

<sup>1</sup> Part Number shown is for an AccuFlex™+ Dual-Rated LSZH Cable with 72 LaserWave *FLEX* 550 and standard cable:  
OFS ACCUDRY® LASERWAVE® FLEX 550 OM4 BIF OPTICAL CABLE -C- LGI0-002E-5DK-G-5.5mm 50/125 (UL) OFNR OFN-LS LSZH  
CPR {MM/YY} {LOT NO} {LENGTH IN FEET}

<sup>2</sup> Contact OFS for availability of alternative jacket colors.

Fiber Type					
Code	Single-Mode Descriptor	Grade	1310nm	1550 nm	MCA (Z)
W	AllWave® <i>FLEX</i> + ZWP Bend-Optimized Single-Mode Fiber	G.657.A2	0.4 or 0.7	0.3 or 0.7	4 or 7
9	AllWave <i>FLEX</i> Max Bend-Optimized Single-Mode Fiber	G.657.B3 & G.652.D	0.4	0.3	7
Code	Multimode Descriptor	Grade	1310nm	1550 nm	MCA (Z)
K	LaserWave® <i>FLEX</i> G+ Multimode Fiber	OM2	3.5	1.5	G
3	LaserWave <i>FLEX</i> 300 Multimode Fiber	OM3	3.5	1.5	G
5	LaserWave <i>FLEX</i> 550 Multimode Fiber	OM4	3.5	1.5	G

**For additional information please contact your sales representative.**

You can also visit our website at [www.ofsoptics.com](http://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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