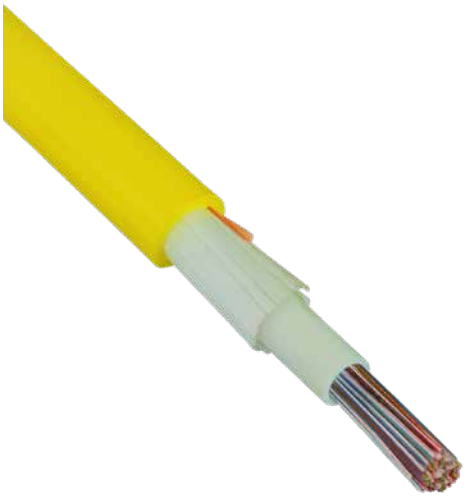
AccuRiser™ 250 µm Rollable Ribbon Fiber Optic Cable

Innovative Indoor/Outdoor Cable Offers High Fiber Density & Flexibility for Data Center Applications



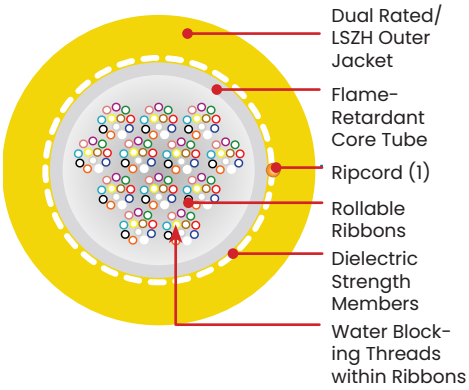
AccuRiser Rollable Ribbon Cable

Features

- OFS rollable ribbon technology
- Compact, flexible design
- Indoor/outdoor rated
- Highly crush-resistant central core
- Low Smoke/Zero Halogen (LSZH) materials
- Dual Flame Rating (OFNR and CPR rated)
- Complies with ICEA-S-696 Standard
- Fiber counts of 144 to 864
- Excellent water-penetration resistance
- Available in single-mode or multimode OM4 fiber

Benefits

- Rollable ribbons help enable smaller cable outer diameter (OD) and reduced weight versus traditional ribbon cable designs
- Optimized for fast, cost-effective mass fusion splicing
- Dual flame rating promotes global use and reduces regional code selection issues
- High fiber density helps save on valuable space
- Cable flexibility simplifies handling and installation



AccuRiser Rollable Ribbon Cable Cross-Section

Product Description

The AccuRiser Rollable Ribbon (RR) Cable was specifically designed to offer high fiber density and excellent carrying capacity. This compact cable features rollable ribbons, OFS' newest optical fiber ribbon design. These ribbons help enable highly efficient ribbon splicing and easy individual fiber breakout. This ribbon design may also be "rolled" (compacted) and routed like individual fibers to facilitate use in smaller closures and splice trays.

Why the AccuRiser Rollable Ribbon Cable?

Every element of the AccuRiser Rollable Ribbon Cable was designed to offer high fiber density while helping to speed installation during a new data center or central office deployment. The 12-fiber rollable ribbons allow splice-in-place operations that help to get a facility up and running quickly. This strong yet flexible cable helps to ease cable installation over ladder racking and through tight bends during routing as well as smoothing and speeding installation. The compact design also improves ladder rack utilization (more cables in the same space).

The AccuRiser Rollable Ribbon Cable is an excellent choice for building-to-building cable connections. This cable also removes the need for intermediate splice points for transitions from the outdoor environment to indoor use. Reducing the number of splices can help result in improved system loss and lower termination points within a network.

The cable is also well suited for routing for terminations and frames as well as preconnectorized applications.

Specifications	8RIO	8RIO	8RIO	8RIO	8RIO
Fiber Count	**144**	**288**	**432**	**576**	**864**
Cable Outer Diameter - in. (mm)	0.41 (10.5)	0.49 (12.5)	0.61 (15.5)	0.67 (17)	0.77 (19.5)
Cable Weight - lb/kft (kgm/km)	82 (122)	113 (168)	171 (254)	190 (283)	244 (363)
Maximum Tensile Rating - lb (N)	600 (2670)	600 (2670)	600 (2670)	600 (2670)	600 (2670)
Minimum Bend Diameter/ Static Condition Unload (Installed) - in. (mm)	6 (153)	6 (153)	8 (204)	10 (254)	12 (305)
Dynamic Condition/ Loaded (During Installation) 40 x OD - in. (mm)	17 (432)	20 (508)	24.4 (620)	26.8 (681)	30.8 (783)
Storage Coil 40 x OD - in. (mm)	17 (432)	20 (508)	24.4 (620)	26.8 (681)	30.8 (783)
CPR Rating	Cca-s2, d1, a1	Cca-s1a, d1, a1	Cca-s1b, d0, a1	Cca-s1b, d0, a1	Cca-s1b, d0, a1
DoP Lookup: www.ofs-sales.com/cpr/	**8RIO-144-B-D**	**8RIO-288-B-D**	**8RIO-432-B-D**	**8RIO-576-B-D**	**8RIO-864-B-D**

Performance Standard

The AccuRiser Rollable Ribbon Cable meets all or portions of Telcordia GR-409/ICEA-S-83-696/ ICEA-S-104-696/ICEA-S-115-730 and TIA-568. Riser-rated cables are UL® listed as compliant with NEC® Article 770 as type OFNR.

Handling

Temperature:

Installation: -4 °F to 140 °F (-20 °C to 60 °C)
Operation: -40 °F to 158 °F (-40 °C to 70 °C)
Storage: -40 °F to 158 °F (-40 °C to 70 °C)

If storing reels outside, it is recommended to use a weather-proof wrap on the cables, especially in direct sunlight or high heat environments.

Fiber Type					
Code	Single-mode Descriptor	Grade	1310 nm	1550 nm	MCA (Z)
A	AllWave®+ ZWP Bend-Optimized Single-Mode Optical Fiber	G.657.A1	0.5 (dB/km)	0.5	5
V	AllWave A2 9.2 Single-Mode Optical Fiber	G.657.A2	0.4 (dB/km)	0.3	4
W	AllWave FLEX+ ZWP Bend-Optimized Single-Mode Optical Fiber	G.657.A2	0.4 (dB/km)	0.3	4
Code	Multimode Descriptor	Grade	1310 nm	1550 nm	MCA (Z)
5	LaserWave® *FLEX* 550 Optical Fiber	OM4	3.5	1.5	G
5	LaserWave Dual-Band Optical Fiber	OM4+	3.5	1.5	G
4	LaserWave Wideband Optial Fiber	OM5	3.5	1.5	G

AccuRiser Rollable Ribbon Fiber Optic Cable Ordering Information

Example: 8RIO-288B-WDK-4-12-250[1]

Short Description: 8RIO-NNNV-WXY-Z-UU-DDD

8RIO = **AccuRiser Rollable Ribbon Indoor/Outdoor Cable**

NNN = **Fiber Count**: 144, 288, 432, 576, or 864

V = **Version** *(See Chart)*

W = **Fiber Type** *(See Chart)*

X = **Jacket Material (Flame Retardant)**
D = Dual Rated Low Smoke/Zero Halogen (UL 1666 and CPR Rated)

Y = **Jacket Color**
K = Black
Y = Yellow
T = Black with Two Yellow Stripes
A = Aqua
L = Lime

Z = **Maximum Cable Attenuation** *(See Chart)*

UU = **Fiber Groupings or Ribbon Type** = 12

DDD = **Fiber Outer Diameter** = 250 µm

* NOTE: Other colors available upon customer request.

[1] Part Number shown is for an AccuRiser Rollable Ribbon Indoor/Outdoor Cable with 288 AllWave+ ZWP Fibers and standard cable print. **OFS G.657.A2 I/O OPTICAL CABLE -C- 8RIO-288B-WDK-4-12-250 9/125 OFNG-FT4-ST1 c(UL) OFNR-ST1 LSZH CPR {MM/YY} {Lot No} {LENGTH IN FEET}**

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.

For a full list of our certifications, visit our website.

RoHS Compliant

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