

# AccuRibbon® Cordage Flat Ribbon



A Furukawa Company

**Flexible, Low Loss Cordage, Ideal for Equipment Panels or Patch Panel Interconnections**

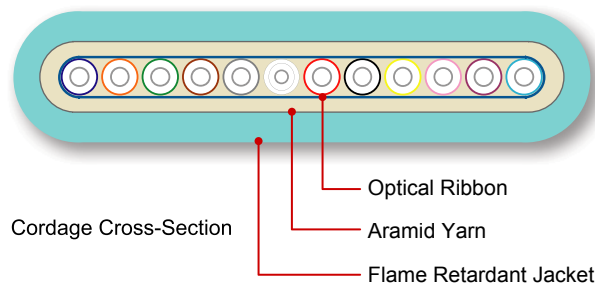
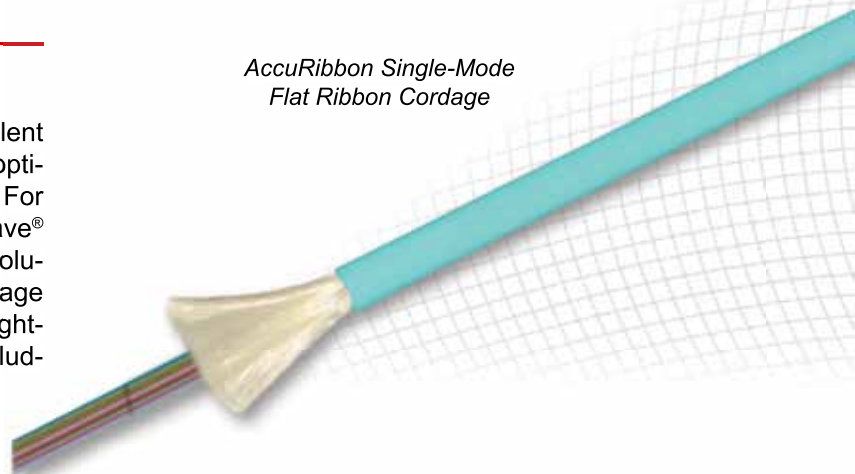
## Product Description

OFS AccuRibbon® Flat Ribbon Cordage provides excellent transmission performance, flexibility, and connectivity for optical networks in a variety of installation environments. For example, AccuRibbon Flat Ribbon Cordage with LaserWave® Multimode Fiber provides a low-cost, easy-to-upgrade solution for 10-Mb/s through 10-Gb/s applications. This cordage may be used in any Premises application where a small, lightweight, and extremely flexible ribbon cable is needed, including applications where MPO-type connectors are used.

### Features and Benefits:

- Fiber counts of 4, 8, 6, 12, or 24 (24 fibers available only in Plenum-rated design)
- Complies with ICEA S-85-596 and Telcordia GR-409 standards
- Available with AllWave® FLEX+ Zero Water Peak (ZWP) Bend-Optimized Single-Mode Fiber and AllWave ZWP Single-Mode Fiber
- Available with all OFS multimode fibers, including LaserWave 50 µm, standard 50 µm, and 62.5 µm Multimode Fibers
- Plenum, Riser, and non-halogen versions available
- All options are free of heavy metals and RoHS compliant

AccuRibbon Single-Mode Flat Ribbon Cordage



Cordage Cross-Section

Illustrations above reflect a LaserWave® AccuRibbon Flat Ribbon Cordage.

## Performance Characteristics

Product Type	Flame Performance	Mechanical, Environmental, and Optical Performance	Temperature (all cables)		
			Operating	Installation (no damage)	Storage (full recovery)
Plenum (OFNP)	UL® Listed per UL 910, CSA certified per OFN FT4/FT6	Telcordia GR-409, ICEA S-85-596, NEC 770, NEC type-DP, ANSI FDDI, IEEE 802(s), ISO/IEC 11801, TIA 568, TIA 598, ANSI-X3(s), ATM, Fiber Channel and HIPPI			
Riser (OFNR)	UL® Listed per UL 1666, CSA certified per OFN FT4	Telcordia GR-409, ICEA S-85-596, NEC 770, NEC type-DP, ANSI FDDI, IEEE 802(s), ISO/IEC 11801, TIA 568, TIA 598, ANSI-X3(s), ATM, Fiber Channel and HIPPI	-20 C to 70 C (-4 F to 158 F)	0 C to 50 C (32 F to 122 F)	-40 C to 70 C (-40 F to 158 F)
LSOH (Non-halogen)	IEC 60332-3c (flame), IEC 61034-2 (smoke), NES713 (toxicity), IEC 60754-2 (corrosives). UL® Listed per UL 1666, CSA certified per OFN FT4	IEC 60794, FDDI, IEEE 802(s), ISO/IEC 11801, TIA 568, TIA 598, ANSI-X3(s), ATM, Fiber Channel and HIPPI			

### Maximum Cable Attenuation\*

Single-Mode Fibers (dB/km)	1310 nm	1385 nm	1550 nm
AllWave ZWP Single-Mode Fiber	0.5	0.5	0.5
AllWave FLEX+ ZWP Single-Mode Fiber	0.4	0.4	0.3

Multimode Fibers (dB/km)	850 nm	1300 nm
62.5 µm Multimode Fiber	3.4	1.0
50 µm Multimode and LaserWave G+ Fibers	3.5	1.5
LaserWave 300 and LaserWave 550 Fibers	3.0	1.0

\* Installed attenuation values shall be at or below those listed above

## Physical Characteristics:

Product Type	Tensile Rating N (lb)	Nominal Width mm (in.)	Nominal Height mm (in.)	Nominal Weight Kg/km (lb/100 ft)	Maximum Length km (ft)
<b>Plenum Cable</b>					
Plenum, 4 Fiber		4.0 (0.16)	2.10 (0.082)	9.9 (6.67)	
Plenum, 6 Fiber		4.0 (0.16)	2.10 (0.082)	9.9 (6.67)	
Plenum, 8 Fiber	220 (50)	4.8 (0.19)	2.10 (0.082)	11.2 (7.53)	8.8 (29000) <sup>1</sup>
Plenum, 12 Fiber		4.8 (0.19)	2.10 (0.082)	11.2 (7.53)	
Plenum, 24 Fiber (Two 12-fiber ribbons)		5.7 (0.27)	2.70 (1.070)	14.2 (9.54)	
<b>Riser Cable</b>					
Riser, 4 Fiber		4.0 (0.16)		8.1 (5.44)	
Riser, 6 Fiber	220 (50)	4.0 (0.16)	2.10 (0.082)	8.1 (5.44)	8.8 (29000) <sup>1</sup>
Riser, 8 Fiber		4.8 (0.19)		8.8 (5.91)	
Riser, 12 Fiber		4.8 (0.19)		8.8 (5.91)	
<b>Non-Halogen Cable</b>					
Non-Halogen, 4 Fiber		4.0 (0.16)		8.0 (5.37)	
Non-Halogen, 6 Fiber	220 (50)	4.0 (0.16)	2.10 (0.082)	8.0 (5.37)	8.8 (29000) <sup>1</sup>
Non-Halogen, 8 Fiber		4.8 (0.19)		9.4 (6.32)	
Non-Halogen, 12 Fiber		4.8 (0.19)		9.4 (6.32)	

<sup>1</sup> Maximum length limited to 8.4 km for multimode fibers

## Identification

### Fiber Color Code:

Fiber #	Fiber Color	Fiber #	Fiber Color	Fiber #	Fiber Color	Fiber #	Fiber Color
1	Blue (BL)	4	Brown (BR)	7	Red (RD)	10	Violet (VI)
2	Orange (OR)	5	Grey (SL)	8	Black (BK)	11	Rose (RS)
3	Green (GR)	6	White (WH)	9	Yellow (YL)	12	Aqua (AQ)

### Sheath Color Code: (Custom color code available upon request)

Fiber Type	Standard Color	Sheath Marking:
LaserWave Cable	Aqua (A)	OFS OPTICAL CABLE -C- RC-NNNA-XXX [UL Listing] [Lot Number] XXX [Feet] (Alternative Sheath printing available on request)
50 µm, 62.5 µm Cable	Orange (O)	
Single-Mode Cable	Yellow (Y)	

## AccuRibbon Flat Ribbon Cordage Ordering Information

Example: RC-006B-ZPA

Part Number: RC - NNNW-XYZ

<b>RC</b> = Ribbon Cordage	<b>Y</b> = Fire Rating
<b>NNN</b> = Fiber Count	<b>R</b> = Riser
004, 006, 008, 012, 024*	<b>P</b> = Plenum
<b>W</b> = Cordage version (default version)	<b>H</b> = LS0H
<b>A</b> = Riser	<b>Z</b> = Jacket Color
<b>B</b> = Low Smoke, Zero Halogen (LS0H) and Plenum	<b>A</b> = Aqua (LaserWave)
<b>X</b> = Fiber Type (see table)	<b>Y</b> = Yellow (Single-Mode)
	<b>O</b> = Orange (62.5/125 µm)

\* 24-fiber cable available in Plenum-rated design only

### Fiber Type

Code	Description
<b>A</b>	AllWave ZWP Single-Mode (SM)
<b>F</b>	LaserWave 550 Multimode
<b>H</b>	LaserWave G+ Multimode
<b>L</b>	Multimode 62.5 µm
<b>M</b>	Multimode 50 µm
<b>T</b>	TrueWave® RS LWP SM
<b>W</b>	AllWave FLEX+ ZWP SM
<b>Z</b>	LaserWave 300 Multimode



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