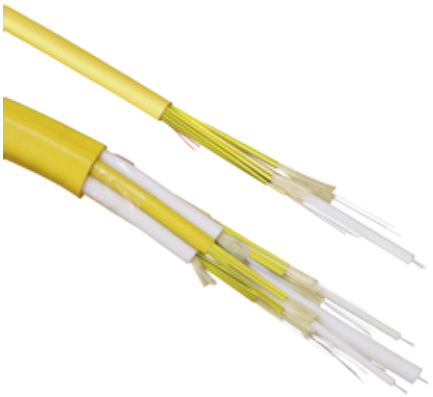
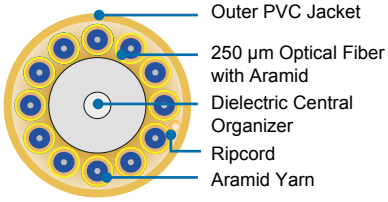
ofs
A Furukawa Company

MicroCord™ Breakout Riser-Rated Cable

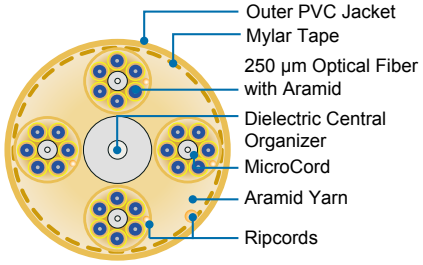
Ultra-Compact, Leading-Edge Cable Helps Double Fiber Density While Reducing Equipment Congestion



MicroCord Breakout Cables



12-fiber MicroCord Cable



24-fiber MicroCord Cable

NOTE: The 36-fiber cable consists of 3 units plus one filler.

Features and Benefits

- Highly compact cable increases fiber density and reduces congestion while remaining lightweight and easy to deploy
- 1.2 mm cords allow streamlined breakout and termination
- Free of heavy metals and RoHS compliant
- UL Listed Riser per UL 1666 Riser Flame Test and OFNR-FT4
- Available with bend-insensitive single-mode OFS fibers including AllWave® *FLEX*+ ZWP Optical Fiber

Product Description

As next-generation frames and electronics systems become more complex and increase in density, there's no need to reduce your cabling specifications. Instead, look to the OFS MicroCord™ Breakout Cable.

Developed to help revolutionize high-density equipment applications, the MicroCord Cable design uses 1.2 mm cords to help double the cable packing density over cables featuring traditional 1.6 mm cords. This capability helps create better pathway usage on the equipment interface and helps to reduce total congestion in equipment bays.

World-class OFS optical fiber lies at the heart of each MicroCord Breakout Cable. Aramid yarn is wrapped around the non-buffered, 250 micron (µm) optical fiber. This construction is then carefully encased in a durable, flame-resistant jacket to form a MicroCord. These MicroCords are then arranged around a dielectric central organizer. Finally, a ripcord and a PVC outer jacket are applied to complete the cable.

Why the MicroCord Breakout Cable?

The MicroCord Cable answers the need for a highly compact, ultra-dense cabling solution optimized for use with high-density applications. While this cable builds upon OFS' successful MiniCord® Breakout Cable design, the MicroCord Cable features 1.2 mm cords that help to provide twice the cable packing density of this earlier breakout cable.

In addition, the cable's MicroCords act as extremely small cordages to interface with the equipment faceplate. The result is an overall reduction in the total congestion in equipment bays. This ultra-compact and lightweight cable also helps offer ease of deployment and termination.

The MicroCord Breakout Cable is an ideal choice for high-density management systems and for use in building micro assemblies.

MicroCord™ Breakout Riser-Rated Cable

Specifications									
Fiber Count	**2**	**4**	**6**	**8**	**12**	**24**	**36**	**48**	**72**
Outer Diameter - in. (mm)	0.20 (5.0)	0.20 (5.0)	0.20 (5.0)	0.23 (5.8)	0.29 (7.3)	0.58 (14.7)	0.80 (20.4)	0.80 (20.4)	0.98 (24.9)
Weight - lb/kft (kgm/km)	25 (37)	20 (30)	15 (22)	20 (30)	33 (49)	108 (161)	178 (265)	208 (310)	325 (484)
Number of Subunits	-	-	-	-	-	4	3	4	6
Maximum Tensile Rating - lb (N)*	150 (660)	150 (660)	150 (660)	150 (660)	150 (660)	300 (1320)	300 (1320)	300 (1320)	300 (1320)
Performance Standard	Tested per Applicable Requirements of TIA/EIA 455, IEC 60794, OFNR-FT4, ICEA-S-83-596, UL 1666, NEC article 770 and Telcordia Technologies GR-409								
Handling Temperature	**Installation:** 32º F to 167º F (0º C to 75º C) **Operation:** -4º F to 167º F (-20º C to 75º C) **Storage:** -40º F to 185º F (-40º C to 85º C)								

*** NOTE:** 30 lb (133 N) tensile rating on each cord element.

MicroCord™ Breakout Riser-Rated Cable Ordering Information

Example: LG1C-012A-WRY-7[1]

Part Number: **LG1C-***NNN* *V*-*X* **R** *Y*-*Z*

LG1C =	MicroCord Breakout Cable
***NNN* =**	Fiber Count 002, 004, 006, 008, 012, 024, 036, 048, or 072
V =	Cable Version **A** = PVC OFNR
***X* =**	Fiber Type (see chart)
R =	Riser (OFNR)
***Y* =**	Jacket Color **Y** = Yellow (Single-Mode Optical Fiber)
***Z* =**	Maximum Cable Attenuation (see chart)

[1] Part Number shown is for a MicroCord Riser-Rated Breakout Cable with 12 AllWave FLEX+ ZWP Optical Fibers and standard cable print:
`OFS MICROCORD™ ALLWAVE® FLEX+ BIF G.657.A2 OPTICAL CABLE –C– LG1C–012A–WRY–7 9/125 OFNR–FT4 C(UL) OFNR {MM/YY} [LOT NO [LENGTH IN FEET]`

[2] Contact OFS for availability of alternative jacket colors.

Fiber Type and Maximum Cable Attenuation

Code	Single-Mode Descripter	1310 nm	1550 nm	MCA (Z)
W	AllWave® *FLEX*+ ZWP Bend-Optimized Optical Fiber (G.657.A2)	0.7 dB/km	0.7 dB/km	7
9	AllWave *FLEX* Max Bend-Optimized Optical Fiber (G.657.B3 & G.652.D)	0.4	0.3	4
D	EZ-Bend® Ultra-Bend Insensitive Optical Fiber (G.657.B3)	0.4	0.3	4

*** NOTE:** Installed attenuation values shall be at or below those listed above.

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.

OFS Marketing Communications
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