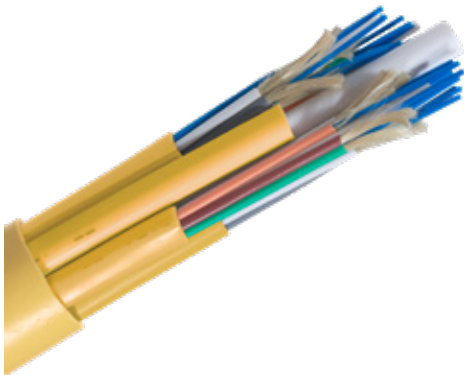# MiniCord® Breakout Riser Rated Cable
A Versatile, High-Performance Fiber Optic Cable Ideal for Use in Confined Space Installations

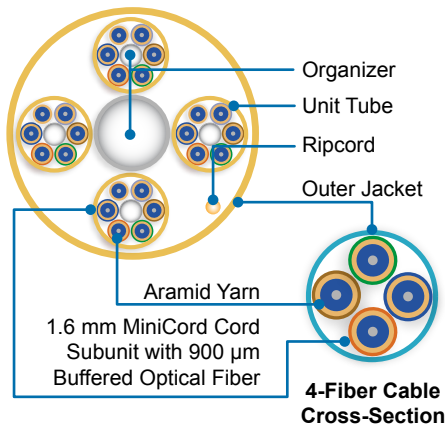MiniCord Break-Out Riser Rated Cable

24-Fiber Cable Cross-Section

- Organizer
- Unit Tube
- Ripcord
- Outer Jacket
- Aramid Yarn
- 1.6 mm MiniCord Cord Subunit with 900 µm Buffered Optical Fiber

4-Fiber Cable Cross-Section

Features and Benefits

- Small subunits simplify installation in space-constrained areas, helping to ensure lower total installed costs
- Fiber counts of 2-72
- Color-coded outer jacketing of subunits for easy fiber identification
- Excellent for use in central offices, head-ends, equipment rooms, data centers and a variety of other applications
- RoHS-compliant; free from heavy metals and environmentally friendly
- UL Listed Riser per UL 1666 Riser Flame Test and CSA certified per OFN FT4
- Available with OFS AllWave® *FLEX+* Zero Water Peak (ZWP) Single-Mode Optical Fiber, AllWave ZWP Single-Mode Optical Fiber and other optical fibers including LaserWave® Multimode Optical Fibers

Product Description

Installing or rearranging fiber optic cable in a confined space or cabinet can be difficlt and time-consuming. To help remedy this problem, OFS offers the MiniCord® Riser-Ratd Breakout Cable, a compact fiber optic cable that can be installed in virtually any location and used for almost any premises application. In fact, the MiniCord Riser-Rated Breakout Cable is one of the smallest cables of its type available in the optical industry today.

MiniCord Breakout Cables with 12 optical fibers or less consist of two to twelve 1.6 mm MiniCord subunits covered by a PVC outer jacket. For cables with 18 to 72 fibers, each 1.6 mm MiniCord subunit is placed into a separate unit tube (18-72 fiber cables contain either six or twelve 1.6 mm MiniCords in each unit tube). The unit tubes are then arranged around a dielectric central organizer and surrounded by a color-coded PVC jacket. A ripcord under the outer jacket allows fast and easy sheath removal.

Why the MiniCord Breakout Cable?

The OFS MiniCord Riser-Rated Breakout Cable answers the need for a robust and reliable cabling solution that can handle virtually any indoor application, in most environments including the central office, data center or equipment room.

The MiniCord Breakout Cable's versatile design saves time during deployment and modification, thereby helping to ensure lower total installed costs. To save even more time and money, this cable features superior tight buffering over OFS' proprietary D-LUX® Fiber Coating for minimal termination effort.

Typical indoor uses for the MiniCord Breakout Cable include tie cabling, electronics interconnect, cross-connect and signal distribution applications.

MiniCord® Breakout Riser Rated Cable Design Information

2-12 Fiber Cables
- 6- and 8-fiber cables have central organizers
- 2-, 4-, and 12-fiber cables do not use central organizers

18- and 24-Fiber Cables
- 18-fiber cables do not use a central organizer
- 24-fiber cables have a central organizer
- Cables feature 6 fibres per unit tube or subunit
- Each subunit has a central organizer
- Cables feature one ripcord under the outer jacket

36-, 48-, 60-, and 72-Fiber Cables
- Cables feature 12 fibers per unit tube or subunit
- Subunits do not have a central organizer
- Cables feature one ripcord under the outer jacket
- 48-, 60- and 72-fiber cables have central organizers; 36-fiber cables do not

Specifications

Fiber Count	2	4	6	8	12	18	24	36	48	72
Version	E	E	E	E	E	E	E	E	E	E
Outer Diameter - in. (mm)	0.19 (4.7)	0.21 (5.5)	0.25 (6.4)	0.29 (7.5)	0.33 (8.4)	0.69 (17.6)	0.69 (17.6)	0.80 (20.2)	0.88 (22.4)	1.09 (27.8)
Weight - lb/kft (kgm/km)	12.3 (18.3)	16.8 (25.0)	24.2 (36.0)	33.8 (50.3)	38.4 (57.2)	139.3 (207.3)	151.7 (225.8)	172.3 (256.4)	226.5 (337.0)	379.5 (564.8)

Performance Standard

Tested per Applicable Requirements of TIA/EIA 455, IEC 60794, UL 1666, OFN FT4 and Telcordia Technologies 409.

Handling

Maximum Tensile Rating lb (N)	150 (667)	150 (667)	200 (890)	300 (1334)	400 (1779)	500 (2224)	500 (2224)	500 (2224)	600 (2669)	600 (2669)

Temperature

Installation	-0 ºC to 50 ºC (22 ºF to 122 ºF)
Operation	-20 ºC to 70 ºC (-4 ºF to 158 ºF)
Storage	-40 ºC to 70 ºC (-40 ºF to 158 ºF)

MiniCord Breakout Cable Ordering Information

Example: LGMC-036B-WRY[1]

Part Number: **LGMC-**_NNN_ _X_ _Y_ **R** _Z_

LGMC =	MicroCord Breakout Cable
NNN =	Fiber Count 002, 004, 006, 008, 012, 024, 036, 048, or 072
X =	Cable Version **E** = All Fiber Counts
Y =	Fiber Type (see chart)
R =	Riser
Z =	Jacket Color[2] **Y** = Yellow (Single-Mode Optical Fiber) **O** = Orange (50/125 μm Multimode Optical Fiber) **A** = Aqua (LaserWave® Optical Fiber)

[1] Part Number shown is for a MiniCord Riser-Rated Breakout Cable with 72 AllWave ZWP Optical Fibers and standard cable print:
OFS MINICORD ALLWAVE FLEX+ ZWP OPTICAL CABLE —C— LGMC—072E—WPY—4 C (UL) US TYPE OFNR [CSA OFN FT4] [LOT NO] [LENGTH IN FEET]

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

Fiber Type

Code	Description
W	AllWave FLEX+ ZWP Bend-Optimized Single-Mode Optical Fiber (G.657.A2)
9	AllWave FLEX Max Bend-Optimized Single-Mode Optical Fiber (G.657.B3 & G.652.D)
K	LaserWave® FLEX G+ Multimode Optical Fiber (OM2)[+]
3	LaserWave FLEX 300 Multimode Optical Fiber (OM3)[+]
5	LaserWave FLEX 550 Multimode Optical Fiber (OM4)[+]

Maximum Cable Attenuation*

Single-Mode Optical Fibers (dB/km)	1310 nm	1550 nm	MCA (Z)
AllWave FLEX+ and AllWave FLEX Max Single-Mode Optical Fiber (G.657.A2)[+]	0.4 0.5 0.7	0.3 0.5 0.7	4 5[+] 7[+]

Multimode Optical Fibers (dB/km)	850 nm	1300 nm	MCA (Z)
50 μm Multimode and LaserWave FLEX G+ Optical Fiber	3.5	1.5	G
LaserWave FLEX 300 and LaserWave FLEX 550 Optical Fiber	3.5	1.5	G*

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

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RoHS Compliant EU Directive 2002/95/EC