

# Indoor/Outdoor Rated & Breakout Fiber Optic Cable

Dual-Rated OFNP/OFNR · LSZH | Direct Termination | Building Entry & Equipment Room

## PRODUCT OVERVIEW

Mirabel Energy USA indoor/outdoor dual-rated and breakout fiber cables eliminate the need for a transition splice at the building entry point — reducing material cost, installation time, and potential failure points in the fiber plant. Dual-rated cables meet both outdoor UV/moisture exposure requirements and indoor NEC plenum (OFNP) or riser (OFNR) fire performance ratings, allowing a single cable to run from the outside plant entry point directly to the termination panel without interruption. Breakout cable constructions provide individually jacketed sub-units for each fiber or fiber pair — enabling direct termination at connectors without the need for breakout kits or fanout assemblies, ideal for equipment rooms, patch panels, and structured cabling installations where clean, labeled cable management matters.

<b>OFNP / OFNR / LSZH</b> Jacket Rating	<b>No Transition Splice</b> Entry Type	<b>Individually Jacketed</b> Sub-Units	<b>OS2 · OM3 · OM4</b> Fiber Types
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## APPLICATIONS

- Building entry runs — outside plant to inside termination without transition splice
- Equipment room and patch panel direct termination (breakout)
- Data center structured cabling — horizontal and backbone distribution
- Campus buildings — plenum and riser-rated internal distribution
- Industrial facilities requiring LSZH fire performance indoors
- Telecommunications rooms, MDF/IDF, and server room fiber termination

## KEY SPECIFICATIONS

- Dual-rated: outdoor UV/moisture resistant + indoor NEC plenum (OFNP) or riser (OFNR)
- Eliminates building entry transition splice — single continuous run from OSP to panel
- Breakout sub-construction: individually 900µm tight-buffered per fiber sub-unit
- Available in 2, 4, 6, 12, 24, 48 fiber counts
- OS2 (9/125µm), OM3, and OM4 (50/125µm) fiber grades available
- LSZH (Low Smoke Zero Halogen) jacket for enclosed indoor environments
- Suitable for direct LC, SC, ST connector termination without fanout hardware
- Flame rating: OFNP (plenum) / OFNR (riser) per UL 1581 / NEC 770

## TECHNICAL SPECIFICATIONS

Parameter	Indoor/Outdoor (Distribution)	Breakout
Sub-Unit Construction	Loose tube / tight buffer	Individually jacketed
Connector Termination	Fanout kit required	Direct termination
Jacket Rating	OFNP / OFNR / LSZH	OFNP / OFNR / LSZH
UV Resistance	Yes (outdoor rated)	Yes (outdoor rated)
Fiber Counts	4–48	2–24
Fiber Types	OS2 / OM3 / OM4	OS2 / OM3 / OM4
Min Bend Radius	10x cable OD	10x cable OD

<b>PART / ORDER INFO</b> 2 · 4 · 6 · 12 · 24 · 48 strand counts   OS2, OM3, OM4   OFNP, OFNR, LSZH	<b>STOCKING LOCATIONS</b> Reno, NV · Houston, TX Project-phased delivery available	<b>OEM REPRESENTATIVE</b> GCP Energy LLC — Salt Lake City, UT portal.gcpenergy.us
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