

# Breakout

2 through 18 Fibers

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## Product Highlights

- RoHS compliant
- OM2, OM3 & OM4 utilize Corning Clear Curve glass.
- .098 in. (2.5 mm) aramid filled subunits
- User-friendly "break-out" design
- High tensile strength
- Flexible aramid yarns and individual jackets add strength to each fiber
- Color-coded subunits facilitate identification
- Color-coded and number-coded subunits facilitate identification for cables containing more than 12 fibers

## Options

- Low smoke zero halogen available
- Standard colors are yellow for singlemode, orange for multimode and teal for 10 Gigabit other colors are available

## Applications

- Applications include 10, 40 & 100 gigabit Ethernet, Fibre Channel, Video, Security, Automation.

## Standards

- TIA/EIA-568-C.3
- ISO/IEC 11801, 2nd edition
- Telcordia GR-409-CORE
- OS2 glass is compliant to ITU-T G.657A1

## Breakout (Plenum) (UL) OFNR c(UL) OFNR FT4

PART NUMBERS BY FIBER COUNT	FIBER COUNT	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	8.3 UM OS2
	2	60035-2	60036-2	60663-2	61881-2	60034-2
4	60035-4	60036-4	60663-4	61881-4	60034-4	
6	60035-6	60036-6	60663-6	61881-6	60034-6	
8	60035-8	60036-8	60663-8	61881-8	60034-8	
10	60035-10	60036-10	60663-10	61881-10	60034-10	
12	60035-12	60036-12	60663-12	61881-12	60034-12	
14	60035-14	60036-14	60663-14	61881-14	60034-14	
16	60035-16	60036-16	60663-16	61881-16	60034-16	
18	60035-18	60036-18	60663-18	61881-18	60034-18	

SPECIFICATIONS BY FIBER COUNT	FIBERS	CABLE in.	O.D. mm	RECOMMENDED MAXIMUM LOADS					
				INSTALL		OPERATION		CABLE WEIGHT	
				lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000m
2	.320	8.1	128	570	64	285	47.3	70.5	
4	.320	8.1	256	1139	128	570	44.8	66.8	
6	.377	9.5	384	1709	192	855	64.4	96.0	
8	.437	11.0	512	2279	256	1139	86.2	128.4	
10	.498	12.6	640	2849	320	1424	126.0	187.7	
12	.513	13.0	768	3418	384	1709	118.0	175.8	
14	.516	13.1	896	3988	512	1994	116.0	172.8	
16	.544	13.8	1024	4557	512	2279	129.0	192.2	
18	.573	14.6	1152	5128	576	2564	146.0	217.5	

### Cable Characteristics

Note: Part number rows in upper table directly correspond to cable characteristic rows in the same location of the lower table.

# Indoor Breakout

Indoor Breakout

## Breakout (Plenum) (UL) OFNR c(UL) OFNR FT4

### Optical Specifications

TIA/EIA-568-C.3 | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE

Fiber type	Max. Attenuation		Min OFL Bandwidth		Min EMBc Bandwidth		Gb Ethernet distance		10 Gb Ethernet distance	
	(dB/km)		(MHz-km)		(MHz-km)		(m)		(m)	
	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)
OM1	3.5	1.0	200	500	220	N/A	300	550	33	N/A
OM2	3.0	1.0	700	500	950	N/A	750	550	150	N/A
OM3	3.0	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40000

Hitachi Cable America reserves the right to revise any specifications.

### Mechanical Specifications

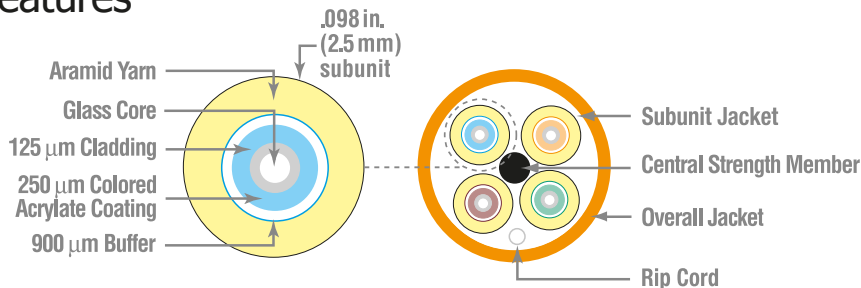
- Bend radius, no load = 10x cable overall diameter
- Bend radius, load = 15x cable overall diameter



### Cable Temperature Ranges

Storage: -40° to 70°C (-40° to 158°F)  
 Installation: 0° to 60°C (32° to 140°F)  
 Operating: 0° to 70°C (32° to 158°F)

### Features



DIELECTRIC MATERIALS  
 Overall Jacket: PLENUM Flame Retardant Thermoplastic

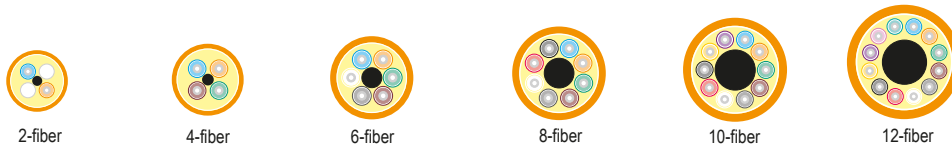


Diagram scale approx. 2:1

