



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Breakout Cable with 2.0mm Subunits, 12-Fiber, OM1 OFNR, Tight Buffer, Indoor Rated with Orange Jacket, Breakout or fanout cables are designed for harsh environment installations and offer a high degree of flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Product Family - Plenum:

Fiber Count	Type	B.O.	OM1 MM 62.5/125 1 Gb	OM2 MM 50/125 1 Gb	OM3 MM 50/125 10 Gb 300m	OM4 MM 50/125 10 gB 500m	OS2 SM
2	Indoor	2.0mm	B9B013	B9A013	B9C013	B9E013	B9W013
2	Indoor	2.5mm	B9B029	B9A029	B9C029	B9E029	B9W029
4	Indoor	2.0mm	B9B014	B9A014	B9C014	B9E014	B9W014
4	Indoor	2.5mm	B9B030	B9A030	B9C030	B9E030	B9W030
6	Indoor	2.0mm	B9B015	B9A015	B9C015	B9E015	B9W015
6	Indoor	2.5mm	B9B031	B9A031	B9C031	B9E031	B9W031
6	Indoor/Outdoor	2.5mm	B9B031T	B9A031T	B9C031T	B9E031T	B9W031T
8	Indoor	2.0mm	B9B016	B9A016	B9C016	B9E016	B9W016
10	Indoor	2.0mm	B9B017	B9A017	B9C017	B9E017	B9W017
12	Indoor	2.0mm	B9B018	B9A018	B9C018	B9E018	B9W018
12	Indoor	2.5mm	B9B034	B9A034	B9C034	B9E034	B9W034
18	Indoor	2.0mm	B9B019	B9A019	B9C019	B9E019	B9W019

Product Family - Riser:

Fiber Count	Type	B.O.	OM1 MM 62.5/125 1Gb	OM2 MM 50/125 1Gb	OM3 MM 50/125 10Gb 300m	OM4 MM 50/125 10Gb 500m	OS2 SM
2	Indoor	2.0mm	B9B005	B9A005	B9C005	B9E005	B9W005
2	Indoor/LSZH	2.0mm	B9B130	B9A130	B9C130	B9E130	B9W130
2	Indoor/Outdoor	2.5mm	B9B021T	B9A021T	B9C021T	B9E021T	B9W021T
4	Indoor	2.0mm	B9B006	B9A006	B9C006	B9E006	B9W006
4	Indoor/LSZH	2.0mm	B9B131	B9A131	B9C131	B9E131	B9W131
4	Indoor	2.5mm	B9B022	B9A022	B9C022	B9E022	B9W022
6	Indoor	2.0mm	B9B007	B9A007	B9C007	B9E007	B9W007
6	Indoor/LSZH	2.0mm	B9B132	B9A132	B9C132	B9E132	B9W132
6	Indoor	2.5mm	B9B023	B9A023	B9C023	B9E023	B9W023
8	Indoor	2.0mm	B9B008	B9A008	B9C008	B9E008	B9W008
8	Indoor/LSZH	2.0mm	B9B133	B9A133	B9C133	B9E133	B9W133
10	Indoor	2.0mm	B9B009	B9A009	B9C009	B9E009	B9W009
10	Indoor/LSZH	2.0mm	B9B134	B9A134	B9C134	B9E134	B9W134
12	Indoor	2.0mm	B9B010	B9A010	B9C010	B9E010	B9W010
12	Indoor/LSZH	2.0mm	B9B135	B9A135	B9C135	B9E135	B9W135
12	Indoor	2.5mm	B9B026	B9A026	B9C026	B9E026	B9W026
18	Indoor	2.0mm	B9B011	B9A011	B9C011	B9E011	B9W011
18	Indoor/LSZH	2.0mm	B9B136	B9A136	B9C136	B9E136	B9W136
18	Indoor	2.5mm	B9B027	B9A027	B9C027	B9E027	B9W027
24	Indoor	2.0mm	B9B012	B9A012	B9C012	B9E012	B9W012

Fiber Type: 62.5 Micron (OM1)

Number of Fibers: 12

Buffer Tube Material: Thermoplastic

Breakout Element Diameter: .0787

Inner Jacket

Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange

3	Green
4	Brown
5	Gray
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Pink
12	Aqua

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color: Orange

Strength Member

Strength Member Material: Aramid Yarn

Overall Cable

Overall Nominal Diameter: 0.514 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +75°C
Installation Temperature Range:	0°C To +70°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	110 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	7.700 in.
Min. Bend Radius for Long Term Application:	5.100 in.
Max. Load for Installation:	150 lbs.
Max. Load for Long Term Application:	45 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	OFNR
CEC/C(UL) Specification:	OFN
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	12/17/2008
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL910 Steiner Tunnel
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Aerial:	No
Suitability - Burial:	No
Sunlight Resistance:	No

Plenum/Non-Plenum

Plenum (Y/N): No

Optical Characteristics (Overall)	
Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.2 dB/km
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	600 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	300 meters
Maximum Gigabit Ethernet Length @ 1300nm:	550 meters

Fiber Coding MLT EMEA:

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

Related Documents:

[Breakout Cable.pdf](#) - Breakout Cable technical information.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9B010	1 FT	0.000 LB	ORANGE		BO2.0 12F OM1 OFNR TB

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