

FIBER OPTIC BREAKOUT CABLE

Indoor Tight Buffered Breakout Cable

DESCRIPTION

Breakout cables with individual breakout units for robust handling, flame retardant cable-riser, plenum, or LSZH (Low-Smoke, Zero-Halogen) rated. This design provides simple direct field termination with strain relief.

CONSTRUCTIONS

Jacketed cordage 900 μ m Tight Buffered Fibers

FLAME RATINGS

Riser (OFNR) / Plenum (OFNP) / LSZH versions

FIBER COUNT

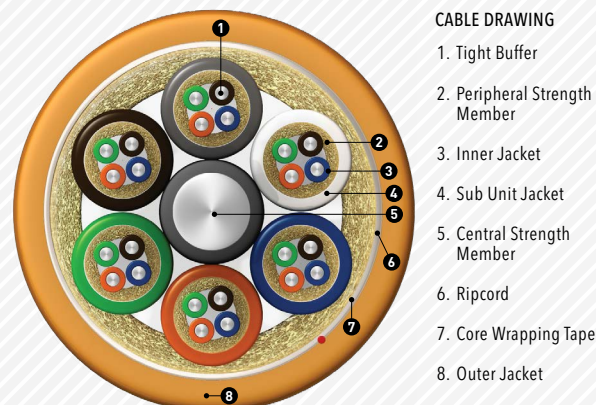
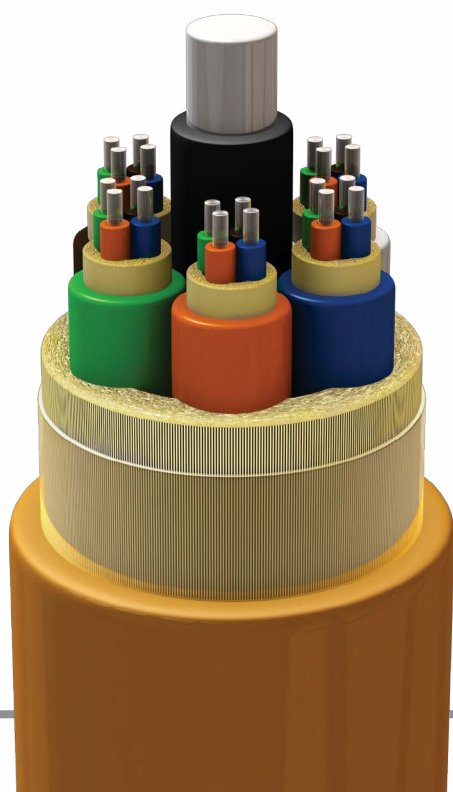
2 to 24 fibers

FIBER TYPES

Single mode, 50 μ m, 62.5 μ m multi mode, Hybrid available

SPECIFICATION

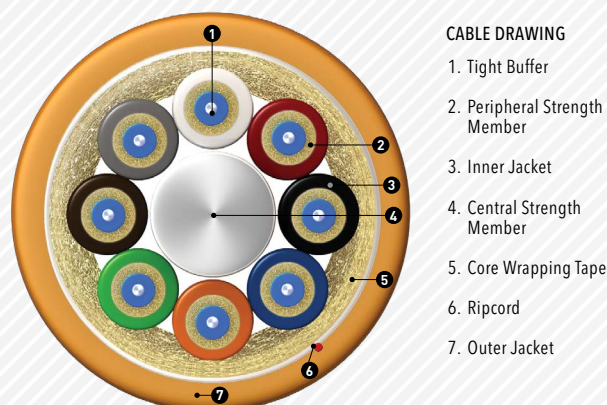
Telcordia GR-409-CORE, ISO/IEC 11801, ANSI/CEA S-83-596



CABLE DRAWING

1. Tight Buffer
2. Peripheral Strength Member
3. Inner Jacket
4. Sub Unit Jacket
5. Central Strength Member
6. Ripcord
7. Core Wrapping Tape
8. Outer Jacket

24C



CABLE DRAWING

1. Tight Buffer
2. Peripheral Strength Member
3. Inner Jacket
4. Central Strength Member
5. Core Wrapping Tape
6. Ripcord
7. Outer Jacket

8C

NOTE

Color of Buffer

01 Blue	02 Orange	03 Green	04 Brown
05 Grey	06 White	07 Red	08 Black
09 Yellow	10 Violet	11 Pink	
12 Aqua, or Numbering : SM (Yellow), MM (Orange)			

Color of Subunit color

Numbering : SM (Yellow), MM (Orange)

Outer Jacket Color

Single mode : Yellow, 50/125 μ m : Orange,
62.5/125 μ m : Orange, Hybrid : Black

FEATURES & BENEFITS

Easy cable installation & Termination

- 1.9mm units with 900µm tight buffered fibers provides simple direct field termination
- Flexible robust cables simplify pulling and placement
- Numbered sub-units simplify identification and routing

DISTRIBUTION CABLE

Fiber count	Nominal Diameter		Nominal Weight		Bend radius Load		Bend radius No load		Max pulling strength
	[mm]	[inch]	[kg/km]	[lb/kft]	[cm]	[inch]	[cm]	[inch]	[N]
1	4.5	0.18	30	20.2	9.0	3.5	6.8	2.7	800
2	6.5	0.26	38	25.5	13.0	5.1	9.8	3.8	800
4	7.0	0.28	40	26.9	14.0	5.5	10.5	4.1	800
6	8.5	0.33	75	50.4	17.0	6.7	12.8	5.0	1,000
8	9.5	0.37	89	59.8	19.0	7.5	14.3	5.6	1,200
12	12.5	0.49	150	100.8	25.0	9.8	18.8	7.4	1,800
16	16.0	0.63	300	201.6	32.0	12.6	24.0	9.4	1,800
24	19.0	0.75	450	302.4	38.0	15.0	28.5	11.2	2,000

TRANSMISSION PERFORMANCE

Index	9/125µm	50/125µm	50/125µm	50/125µm	62.5/125µm	62.5/125µm
		Standard	Gigabit	10Gigabit	Standard	Gigabit
	1310/1550nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm
Attenuation(dB/km) Typical values	0.4/0.3	3.0/1.0	3.0/1.0	3.0/1.0	3.5/1.0	3.5/1.0
Minimum bandwidth(MHz.km)		500/500	500/500	1500/500	200/500	200/500
Ethernet Link Distance(m)	10Gbps	-	-	300	-	-
	1Gbps	-	-	550/550	-	250/550

ORDERING GUIDE

1	2	3	4	5	6
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1 : Length marking (F : feet or M : meter)

2 : Product family (B : Breakout)

3 : Fiber type (SM or MM50 or MM62,5)

4 : Fiber grade (OM1 or OM2 or OM3)

5 : Fiber count (24C)

6 : Cable rate (LSZH or OFNR or OFNP)