

Mini-Breakout Cables (Distribution)

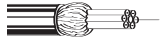
Indoor

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

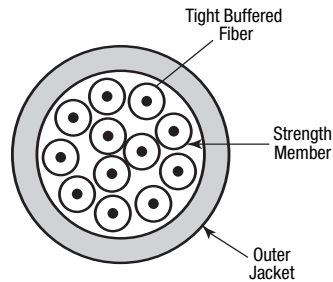
GIMT • Tight Buffer • I-V(ZN)H

Dry Construction • Orange FRNC /LSNH Jacket

-5/55°C	IEC 60332-2	6888	2100			Ø 280 ± 15			Reinforced Aramid Yarn		no			4				
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GIMTx02	2			74.1	33.5						0.16	4.0		400		227	40	60
GIMTx04	4			88.0	39.9						0.19	4.8		400		294	48	72
GIMTx06	6			106.5	48.3						0.21	5.3		450		339	53	80
GIMTx08	8			115.7	52.5						0.21	5.3		450		351	53	80
GIMTx12	12			185.2	84.0						0.28	7.0		500		619	70	105
GIMTx16	16			226.9	102.9						0.31	8.0		500		886	80	120
GIMTx24	24			263.9	119.7						0.35	9.0		600		1044	90	135



Available in multimode only.
Color Code: see chart page 16.23

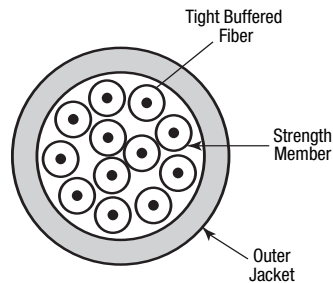
GIMK • Semi-Tight Buffer • I-K(ZN)H

Dry Construction • Orange FRNC /LSNH Jacket

-5/55°C	IEC 60332-2	6888	2100			Ø 245 ± 10			Reinforced Aramid Yarn		no			4				
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GIMKx02	2			88.0	39.9						0.16	4.0		400		235	40	60
GIMKx04	4			92.6	42.0						0.19	4.8		400		310	48	72
GIMKx06	6			106.5	48.3						0.21	5.3		450		339	53	80
GIMKx08	8			120.4	54.6						0.21	5.3		450		381	53	80



Available in multimode only.
Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Mini-Breakout Cables (Distribution)

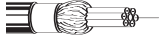
Universal – Indoor/Outdoor, Standard Rodent Protection

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

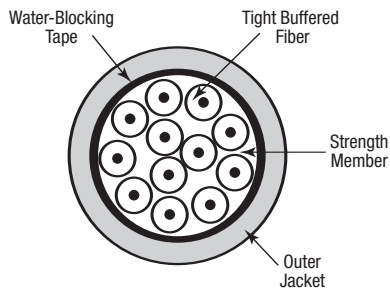
GUMT • Tight Buffer • A/I-VQ(ZN)H

Dry Construction • Orange FRNC/LSNH Jacket

-30/70°C	IEC 60332-2	6888	2100			∅ 280 ± 15				Longitudinal watertightness Swellable Glass Yarn (6)			no		4			
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GUMTx04	4			120.4	54.6						0.21	5.4		400		296	54	81
GUMTx06	6			138.0	63.0						0.23	5.9		450		347	59	89
GUMTx08	8			148.1	67.2						0.23	5.9		450		371	59	89
GUMTx12	12			208.3	94.5						0.30	7.6		500		622	76	114
GUMTx16	16			245.4	111.3						0.34	8.6		500		845	86	129
GUMTx24	24			300.9	136.5						0.38	9.6		600		1082	96	144



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Mini-Breakout Cables (Distribution)

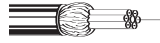
Universal – Indoor/Outdoor, Improved Rodent Protection

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

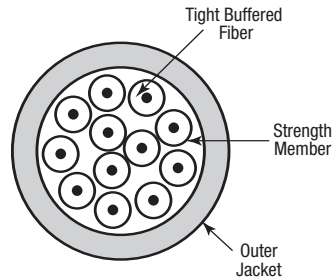
GUXT • Tight Buffer • A/I-VQ(ZN)BH

Dry Construction • Orange FRNC/LSNH Jacket

-30/70°C IEC 60332-2	6888	2100			Ø 280 ± 15				Longitudinal watertightness Swellable Glass Yarn		no			4				
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GUXTx04	4		203.7	92.4				0.28	7.0		2000		375	70	105
GUXTx06	6		236.1	107.1				0.29	7.3		2000		445	73	110
GUXTx08	8		259.3	117.6				0.29	7.3		2000		472	73	110
GUXTx12	12		351.9	159.6				0.37	9.4		3000		801	94	141
GUXTx24	24		560.2	254.1				0.42	10.6		4000		1243	106	159



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Mini-Breakout Cables (Distribution)

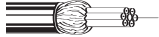
Special – Indoor/Outdoor

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

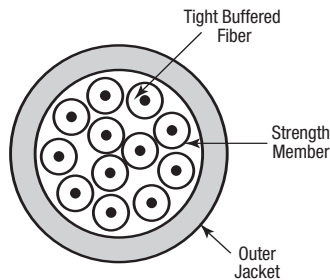
GMMT • Intex Mobile • Tight Buffer • Designed for Despooling and Respooling • A/I-VQ(ZN)11Y

Dry Construction • PUR Jacket (Orange or Black)

-30/70°C	IEC 60332-1	6888	2100			Ø 280 ± 15				Longitudinal watertightness Swellable Glass Yarn			no					
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GMMTx04	4			143.5	65.1						0.23	5.8		800	4	580	58	87
GMMTx06	6			175.9	79.8						0.25	6.3		950	4	725	63	95
GMMTx08	8			217.6	98.7						0.28	7.0		1100	4	890	70	105



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Breakout Kit Cables

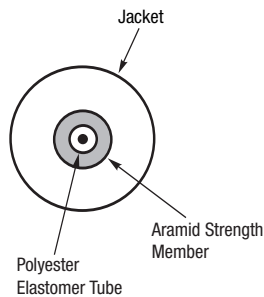
Universal – Indoor/Outdoor

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending radii cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

GIPS • Simplex • With Furcation Tube (no Fiber)

Dry Construction • Orange PUR Jacket

-5/55°C	IEC 60332-2	6888	2100	42.5	19.3					Reinforced Aramid Yarn	0.11	2.8	no	110	-	128	28	42
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Color Code: see chart page 16.23

Distribution Cables

Tight Buffer – Indoor Plenum Rated

Applications

- Low to high fiber count requirements
- In-building backbone
- Fiber-to-the-desk applications
- Computer room

Product Description

Flexible thermoplastic jacket provides excellent handling characteristics. Fibers and cable sub-units are color coded for easy identification. Length markings in meters for easy determination of cable length. Full dielectric construction, no grounding required. For Riser offering, MSHA approved cables are available.

Jacket Material	
Non-unitized Plenum	PVC
Unitized Plenum	PVDF
Tight Buffer	
Plenum	PVC
Strength Member	
	Aramid Yarn
Color Code (Tight Buffer)	
	Per EIA/TIA 598-A, see page 16.24
Jacket Color	
Single-mode	Yellow
62.5/125 μm	Orange (Green for LSZH only)
50/125 μm /1 Gbe	Orange
50/125 μm /10 Gbe	Aqua

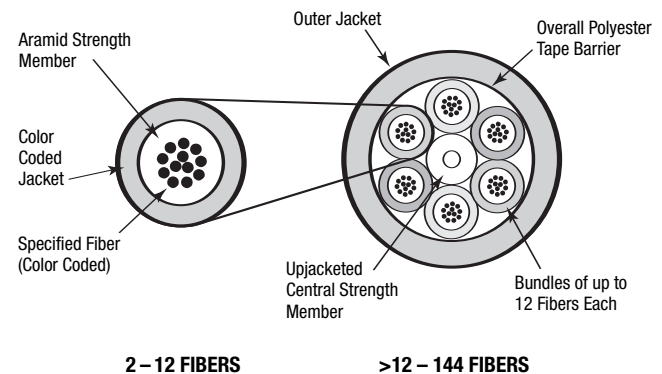
Ratings

Plenum	
UL Type	OFNP
cUL Type	OFN FT6
Flame resistance	NFPA 262

Specifications

Temperature Range	
Storage	-40 to +80°C
Operating	-20 to +70°C
Crush Resistance (EIA-455-41)	
	2000 N/cm
Impact Resistance (EIA-455-25)	
	2000 Impacts @ 1.6 N-m
Cyclic Flexing (EIA-455-104)	
	2000 cycles, min.
Min. Bend Radius	
Installation	15xOD
Long term	10xOD
Optical Specifications	
	see page 16.24

Fiber Bundle Detail



Distribution Cables

Tight Buffer – Indoor Plenum Rated (*continued*)

No. of Fibers	Belden Part Number				Outside Diameter		Weight		Max. Install Load	
	62.5/125 µm Std./1 Gbe	50.0/125 µm Std./1 Gbe	50.0/125 µm 10 Gbe - 300M	Single-Mode Enhanced	inch	mm	lbs./1000'	kg/km	lbs.	N

Distribution Cable Series

Plenum (NEC/CEC OFNP/OFN FT6)

2	M9B043	M9A043	M9C043	M9W043	0.184	4.67	14	21	180	801
4	M9B044	M9A044	M9C044	M9W044	0.174	4.42	13	19	195	867
6	M9B045	M9A045	M9C045	M9W045	0.190	4.83	16	24	270	1201
8	M9B046	M9A046	M9C046	M9W046	0.222	5.64	19	28	270	1201
12	M9B048	M9A048	M9C048	M9W048	0.225	5.72	22	33	300	1334
24	M9B611*	M9A611*	M9C611*	M9W611*	0.330	8.38	40	60	390	1735
24	M9B612	M9A612	M9C612	M9W612	0.493	12.52	89	132	1263	5618
36	M9B614	M9A614	M9C614	M9W614	0.594	15.09	134	199	1913	8509
48	M9B616	M9A616	M9C616	M9W616	0.599	15.21	131	195	1245	5538
72	M9B620	M9A620	M9C620	M9W620	0.754	19.15	197	293	2093	9310
96	M9B623	M9A623	M9C623	M9W623	0.904	22.96	268	399	2160	9608
144	M9B621	M9A621	M9C621	M9W621	1.047	26.59	365	543	3645	16213

Composite Plenum Cables

6xSM/ 6x62.5	M97174
6xSM/ 12x62.5	M97041
12xSM/ 12x62.5	M97219
6xSM/ 6x50	M97412
6xSM/ 12x50	M97411
12xSM/ 12x50	M96780

Construction for LSZH cables differs from the drawing. Alternative fiber counts are available.

* Single jacket design.