



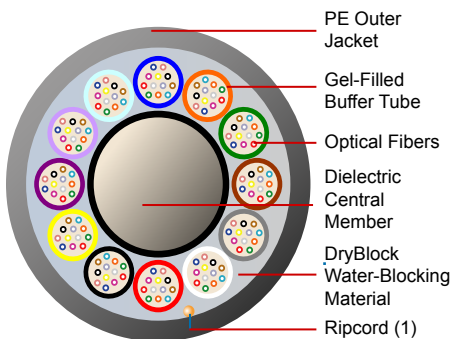
A Furukawa Company

MiDia® Micro GX Loose Tube Cable

Maximizing the Capacity and Cost-Effectiveness of Metropolitan Fiber Access



MiDia Micro GX Cable



MiDia Micro GX Cable
144-Fiber Cross-section

Features

- Optimized for air-blown, microduct installation for higher-density applications
- Reduced cable outer diameter and greater fiber density
- Buffer tubes and outer jacket designed to help maximize air-blown deployment performance
- Fiber counts of 12-288

Benefits

- Helps save time and money while retaining ease of installation
- High fiber density ratio helps to further increase capacity in limited spaces
- Deferred build costs - deploy fiber only as needed

Product Description

The reduced diameter MiDia Micro GX Cable can help to dramatically lower the cost of fiber optic deployment while maximizing fiber density in congested networks. Size optimized for fiber counts up to 288, this cable was specifically developed for air-blown installation using microduct systems. The cable outer jacket and optimized 1.4 mm buffer tubes are designed to maximize deployment performance. DryBlock water-blocking material provides exceptional water penetration resistance and faster cable preparation.

Why the MiDia Micro GX Cable?

The MiDia Micro GX Cable's small outer diameter and high fiber density help to maximize capacity in heavily congested duct systems where space is at a premium (such as city networks). This lightweight, flexible cable design can also help to save time and money by eliminating the need for expensive and disruptive excavation along with procuring costly rights-of-way.

The MiDia Micro GX Cable also helps service providers to reduce their initial network building investment by deploying fiber only as needed to meet demand. This capability can also provide the flexibility needed for future technology upgrades.

Specifications					
Fiber Count:	12-72	84-96	108-144	156-288	*NOTE: First listed duct size is for duct installations only. Second listed duct size is for direct buried use.
Recommended Duct Size mm	10/8 (12.7/10)	10/8 (12.7/10)	12/10 (12.7/10)	16/12 (16/13)	
Cable Outer Diameter in. (mm)	0.20 (5.2)	0.24 (6.0)	0.31 (8.0)	0.38 (9.6)	
Cable Weight lb/kft (kg/km)	16 (24)	23 (34)	38 (57)	53 (79)	

Performance Standard
The MiDia Micro GX Cable is tested per Applicable Requirements of ANSI/ICEA S-87-640, TIA/EIA-455 (IEC 60794).
NOTE: The MiDia Micro GX Cable is not recommended for use in pedestal splicing applications or for aerial applications.

Handling					
Fiber Count:	2-72	73-96	97-144	145-288	Temperature: Installation: 5 °F to 104 °F (-15 °C to 40 °C) Operation: -22 °F to 158 °F (-30 °C to 70 °C) Storage: -40 °F to 158 °F (-40 °C to 70 °C)
Minimum Bend Radius, with load (in.)	8	8	8	10	
Minimum Bend Radius, no load (in.)	6	6	6	8	
Minimum Bend Radius, storage (in.)	6	6	7	7	
Tensile Rating (lb)	135	180	325	425	

Fiber Type ²	Fiber (S1)	Fiber (S2)	Fiber (SF)	Fiber Standards	Fiber Wavelengths (nm)	Typical * Attenuation (dB/km)	Maximum Cable on Reel Attenuation (dB/km)
Single-Mode Fiber	(S1)	(S2)	(SF)	Standards	Wavelengths (nm)	Attenuation (dB/km)	Attenuation (dB/km)
AllWave® ZWP Fiber	3	B	E	G.652.D	1310/1385/1550	-	0.35/0.31/0.25
AllWave+ ZWP Fiber	3	C	E	G.652.D/G.657.A1	1310/1385/1550	-	0.35/0.31/0.25
AllWave FLEX ZWP Fiber	5	B	E	G.652.D/G.657.A1	1310/1385/1550	-	0.35/0.31/0.25
AllWave One Fiber	3	F	E	G.652.D/G.657.A1	1310/1385/1550	0.33/0.31/0.19	0.34/0.31/0.22
AllWave ULL Fiber	3	H	E	G.652.D/G.657.B	1310/1550	0.31/0.17	0.33/0.19

MiDia Micro GX Loose Tube Cable Ordering Information

Example: AT-5BE453T-NNN¹

Part Number: AT- S1 S2 SF S3 S4 S5 S6 - NNN

S1 = Fiber Selection See S1 in Fiber Type table above	S3 = Sheath Construction 4 = MiDia Micro Loose Tube Cable	S5 = Core Type 3 = 1.4 mm Gel-Filled Buffer Tubes
S2 = Fiber Transmission Performance See S2 in Fiber Type table above	S4 = Tensile Load 5 = Varies with Fiber Count (see Handling above)	S6 = Fibers per Tube T = 12 fibers per tube
SF = Fiber Type² See SF in Fiber Type table above		NNN = Fiber Count = 002 – 288

¹ Part Number shown is for a MiDia Micro GX Cable with standard AllWave FLEX ZWP Attenuation and standard cable print. Maximum AllWave FLEX ZWP attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm. Standard Print, example (MiDia Micro GX Cable):OFS OPTICAL CABLE AT-5BE453T-NNN [MM-YY] (UL) US TYPE OFNR [HANDSET SYMBOL] [NNN] F [SERIAL #]

² Contact OFS Order Management for information on other cable variations, including additional fiber types, attenuation, and custom cable print.

NOTE: For more information regarding typical attenuation as well as attenuation parameters on Link Design Value (LDV) (Maximum end-to-end attenuation over a concatenated span), please see OFS Application Note AN-111 which can be downloaded at www.ofsoptics.com or contact your OFS representative.

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.