



A Furukawa Company

## Mini TB Flat Drop Cable

Compact, Durable and Flexible Fiber Optic Cable for the Last Link in Your Optical FTTx Network



Mini TB Flat Drop Cable

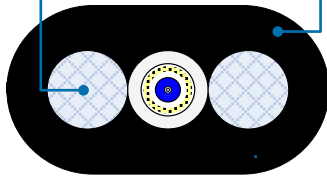
### Features

- Easily removed, UV-resistant outer jacket
- Integrated ruggedized EZ-Bend® 3.0 mm drop cord with InvisiLight® tight-buffered fiber
- Suitable for duct FTTx, direct buried and self-supporting aerial drop installations (including aerial NESC-designated heavy ice loading applications)
- All-dielectric and metallic (toning wire) designs
- Easy-to-access design for streamlined installation and handling

### Benefits

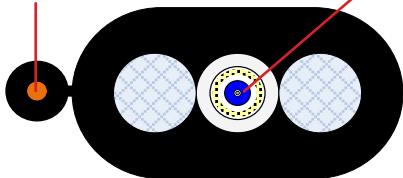
- Integrated OFNR cordage removes the need for demarcation and is suitable for routing within living units
- Easily used with field-installable connectors
- Compatible with cost-effective, industry-standard drop and strain relief hardware
- Low-visibility subunit can be routed along baseboards, crown molding and between walls and ceiling (using the InvisiLight installation system)

Water-Blocking Dielectric Strength Members (2) PE Outer Jacket



Dielectric Cross-section

Copper Toning Wire (optional) Ruggedized 3.0 mm EZ-Bend Cordage



Toneable Cross-section

### Product Description

The Mini TB Flat Drop Cable offers a compact and lightweight yet rugged cable that offers the durability needed for outside plant use along with the flexibility required for tight bends inside residences. This cable construction begins with a single-fiber OFNR 3.0 mm Ruggedized EZ-Bend cordage that forms the fiber core. Two fiberglass rods are added, diametrically opposite, on either side of the fiber core. The rods and fiber core are then encapsulated in a durable polyethylene (PE) jacket for added protection, creating a flat cable cross-section.

### Why the Mini TB Flat Drop Cable?

The Mini TB Flat Drop Cable offers an ideal solution for direct routing into living units for the final section of an optical network, especially in a fiber-to-the-premise (FTTx) installation. The riser-rated EZ-Bend subunit allows this cable to be installed directly from the pedestal to the indoor Optical Network Terminal (ONT) with no intermediate termination. This capability helps to save time and money by avoiding splicing and/or termination on the outside or inside wall of a residence. The all-dielectric version of the Mini TB Flat Drop Cable also helps to save money by eliminating the need for expensive bonding or grounding.

The excellent tensile strength and crush resistance of the Mini TB Flat Drop Cable make it robust enough for below-grade installation in ducts or open trenches, and also ideal for self-supporting aerial deployments.

Specifications	
<b>Fiber Count</b>	<b>1</b>
<b>Dielectric</b>	
<b>Outer Diameter - in. (mm)</b>	0.17 in. x 0.32 in. (4.5 mm x 8.2 mm)
<b>Toneable</b>	
	0.17 in. x 0.40 in. (4.5 mm x 10.2 mm)
<b>Weight - lb/kft (kgm/km)</b>	29 (44)
<b>Number of Subunits</b>	29 (44)
Performance Standard	
The Mini TB Flat Drop Cable is tested per applicable requirements of Telcordia GR-20 and ANSI-ICEA-S-110-717.	
Handling	
<b>Maximum Bend Radius, with Load</b>	6 in. (15 cm)
<b>Minimum Bend Radius, with No Load</b>	3 in. (7.6 cm)
<b>Minimum Bend Radius, Storage Coils</b>	6 in. (15 cm)
<b>Maximum Rated Cable Load (MRCL)</b>	300 lbf (1335 N)
<b>Maximum Long Term Load</b>	90 lbf (405 N)

<b>Temperature</b>	
<b>Installation</b>	-14 °F to 158 °F (-10 °C to 70 °C)
<b>Operation</b>	-40 °F to 158 °F (-40 °C to 70 °C)
<b>Storage</b>	-40 °F to 158 °F (-40 °C to 70 °C)

Aerial Span Information				
	1% Installation Sag		3% Installation Sag	
Storm Loading Region	Max Span	Install Tension	Max Span	Installation Tension
<b>Heavy</b>	150 ft. (45 m)	58 lb. (26 kg)	175 ft. (53 m)	23 lb. (10 kg)
<b>Medium</b>	275 ft. (84 m)	107 lb. (49 kg)	375 ft. (114 m)	48 lb. (22 kg)
<b>Light</b>	375 ft. (114 m)	145 lb. (66 kg)	550 ft. (168 m)	71 lb. (32 kg)

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

Mini TB Flat Drop Cable Ordering Information		
Material Description	Inner Cord	Long Descriptor (includes cord details)
Dielectric Cable (Non-Toneable)		
AT-44D8C7X-001-WH	IR30-001C-DRW-4-WPVC	FLAT DROP CABLE, RUGGEDIZED CORD, EZ-BEND FIBER G.657.B3, WHITE INNER JACKET, WHITE INVISILIGHT 900 μm TIGHT BUFFER
AT-44D8C7X-001-BK	IR30-001C-DRK-4-WPVC	FLAT DROP CABLE, RUGGEDIZED CORD, EZ-BEND FIBER G.657.B3, BLACK INNER JACKET, WHITE INVISILIGHT 900 μm TIGHT BUFFER
Toneable Cable		
AT-44D8C7T-001-WH	IR30-001C-DRW-4-WPVC	FLAT DROP CABLE WITH TONING WIRE, RUGGEDIZED CORD, EZ-BEND FIBER G.657.B3, WHITE INNER JACKET, WHITE INVISILIGHT 900 μm TIGHT BUFFER
AT-44D8C7T-001-BK	IR30-001C-DRK-4-WPVC	FLAT DROP CABLE WITH TONING WIRE, RUGGEDIZED CORD, EZ-BEND FIBER G.657.B3, BLACK INNER JACKET, WHITE INVISILIGHT 900 μm TIGHT BUFFER

For additional information please contact your sales representative.  
You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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