



A Furukawa Company

# Drop-in-a-Box™ Cabling Solution

It's Time to Think INSIDE the Box....  
With the OFS Drop-in-a-Box™ Solution

When you need a reliable, convenient and cost-effective drop cable product, why not think "inside the box" with the OFS Drop-in-a-Box™ Cable Solution? The Drop-in-a-Box solution offers high-performance, outdoor flat drop optical cable in a durable, yet easy-to-handle-and-deploy package for true "out of the box" cable disbursement. Designed to offer an excellent alternative to traditional "reeled" drop cable, this cable package helps save time and money on set-up and installation.



## An Excellent Alternative

Fiber optic drop cable is typically packaged on wooden or plastic reels and cut on the job site to the lengths needed for a particular project. While this is an efficient approach for high fiber count distribution cables, this "cut-to-length" reel package is much less practical for the small fiber count drop cables used frequently within a single project or across multiple locations.

Now, the Drop-in-a-Box Cable Solution offers an excellent drop cable alternative. To deploy cable, simply set the box down in a convenient place, open the front portal and begin pulling cable. That's it - there's no need to prepare cut lengths or use reel supports, payoff stands or other special equipment. This ability to quickly place the box and begin installing cable helps save time and money on equipment, set-up and storage.

The Drop-in-a-Box package is also simple to transport and use, making it easy for installers to stack and configure multiple boxes together to support the streamlined pay-off of several cable runs at once. This ready portability also helps save on storage space and expense.

## Enhanced Protection

The durable Drop-in-a-Box package protects the cable better than traditional open reel designs, helping to avoid fiber damage while standing up to typical job site abuse.

The box design also prevents the cable from spinning over the reel flange as it is deployed, allowing the installer to leave the box unattended while pulling cable to the station. This feature helps eliminate cable twisting and tangling, and removes the need for an additional worker to prevent these issues during the pulling process.

## Improved Cable Management

On the job site, uncertainty over how much cable actually remains on a reel often results in unnecessary scrap or lost time in pulling a short cable. To help reduce this type of project waste, the Drop-in-a-Box solution provides descending footage or metered marking on the cable jacket, giving the installer an immediate, exact view of the unused cable length. This feature helps reduce waste resulting from short, leftover cable lengths, and also supports easier cable management, saving both time and material. In addition, the package offers installers ready alternate access to the cable through the box top, helping to facilitate the repackaging and management of excess cable.

## Applications

The Drop-in-a-Box Cable Solution offers an ideal solution for the smaller fiber counts that are needed in the final sections of an optical network, including Fiber-to-the-Desk, Fiber-to-the-Home (FTTH) and Fiber-to-the-Business (FTTB) installations. It is also well suited for fiber drops within Multiple Dwelling Units (MDUs) and for short-to-medium length cable runs between buildings.

### Features/Benefits:

- High-performance, outdoor flat drop optical cable in a flexible and easy-to-transport package
- Fiber counts of 1 and 2 in all-dielectric and tone-able designs
- Enables fast drop cable placement and pulling
- Easier to use and less wasteful than standard fiber reel packages
- Boxes can be easily stacked and configured for the ready pay-off of multiple cable runs (no need for payoff stands, reel supports or other special deployment equipment); helps save on storage space and expense
- Offers improved cable protection over traditional open reel packaging
- Direct cable access through the box top for easy management of excess cable
- Cable box is readily recyclable
- Descending cable jacket marking system provides immediate, exact view of unused cable length
- Box design helps prevent twisting and tangling of cable during pulling
- Available in 1,000 foot (305 meters) and 1,250 foot (380 meter) lengths
- Excellent for use in Fiber-to-the-Desk, FTTH, FTTB, fiber drops within MDUs, and short-to-medium length cable runs between buildings
- Suitable for self-supporting aerial drop installations\*



\* Consult your OFS Representative for specifics on span lengths and installation information.

## Specifications

Fiber Count: 1 and 2	<i>All-Dielectric (all fiber counts)</i>	<i>Toneable (all fiber counts)</i>
Cable Outer Diameter:	0.17 in. x 0.31 in. (4.3 mm X 7.8 mm)	0.18 in. x 0.39 in. (4.5 mm x 9.8 mm)
Cable Weight:	21 lb/kft (32 kg/km)	33 lb/kft (43 kg/km)

### Performance Standard (all cables)

Tested per applicable requirements of ANSI/ICEA S-110-717

### Handling (all cables)

Minimum Bend Radius, With Load:	6 in. (15 cm)	Temperature: Installation: -22° F to 140° F (-30° C to 60° C) Operation: -40° F to 158° F (-40° C to 70° C) Storage: -40° F to 167° F (-40° C to 75° C)
Minimum Bend Radius, With No Load:	3 in. (7.5 cm)	
Minimum Bend Radius, Storage Coils:	6 in. (15 cm)	
Maximum Rated Cable Load (MRCL):	300 lbf (1335 N)	
Maximum Long Term Load:	150 lbf (667 N)	

## Drop-in-a-Box Cable Solution Ordering Information

<i>Cable Design</i>	<i>Fiber Count</i>	<i>Cable Length</i>	<i>Ordering Part Number</i>
<b>AllWave® ZWP Single-Mode Fiber Cable</b>			
<i>Dielectric</i>	1	1250 Feet	<b>AT-3BE8T7X-001-RIB-1250FT</b>
	1	380 Meters	<b>AT-3BE8T7X-001-RIB-380M</b>
	2	1250 Feet	<b>AT-3BE8T7X-002-RIB-1250FT</b>
	2	380 Meters	<b>AT-3BE8T7X-002-RIB-380M</b>
<i>Toneable</i>	1	1000 Feet	<b>AT-3BE8T7T-001-RIB-1000FT</b>
	1	305 Meters	<b>AT-3BE8T7T-001-RIB-305M</b>
	2	1000 Feet	<b>AT-3BE8T7T-002-RIB-1000FT</b>
	2	305 Meters	<b>AT-3BE8T7T-002-RIB-305M</b>
<b>AllWave FLEX ZWP Single-Mode Fiber Cable</b>			
<i>Dielectric</i>	1	1250 Feet	<b>AT-5BE8T7X-001-RIB-1250FT</b>
	1	380 Meters	<b>AT-5BE8T7X-001-RIB-380M</b>
	2	1250 Feet	<b>AT-5BE8T7X-002-RIB-1250FT</b>
	2	380 Meters	<b>AT-5BE8T7X-002-RIB-380M</b>
<i>Toneable</i>	1	1000 Feet	<b>AT-5BE8T7T-001-RIB-1000FT</b>
	1	305 Meters	<b>AT-5BE8T7T-001-RIB-305M</b>
	2	1000 Feet	<b>AT-5BE8T7T-002-RIB-1000FT</b>
	2	305 Meters	<b>AT-5BE8T7T-002-RIB-305M</b>

**Note:** Minimum Order Quantities will apply. Please contact OFS Customer Care for details.

Standard Cable Print, Example: For a 1250 Foot, one-fiber dielectric Drop-in-a-Box Cable with AllWave ZWP Single-Mode Fiber:

OFS OPTICAL CABLE AT-3BE8T7X-001-RIB-1250FT {MM-YY} {HANDSET SYMBOL}  
{NNN} F {SERIAL #}





Use electronic files, available at:  
[www.ofsoptics.com](http://www.ofsoptics.com) - Use less paper

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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) from inside the USA or 1-770-798-5555 from outside the USA.

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