

Mini C2™ DT Cable All-Dry



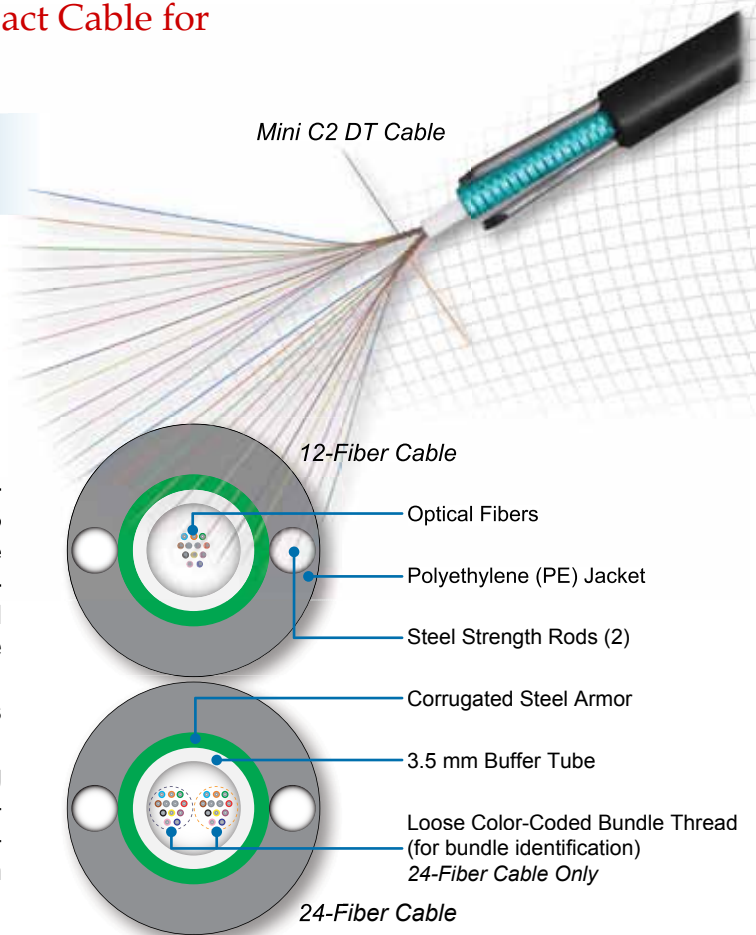
A Furukawa Company

Lose The Gel With Completely Dry, Compact Cable for Faster, Cleaner Deployments

Product Description

The OFS Mini C2™ DT Cable offers a compact, yet durable fiber cable solution in a completely dry design that is easy to handle and install. The core of this cable contains no messy filling compounds, thereby eliminating the costly labor of removing gel from each optical fiber prior to splicing and helping keep your tools and workspace clean and safe.

The construction of the Mini C2 DT Cable begins by placing between one and 24 optical fibers within a flexible, 3.5 mm dry central tube (for counts greater than 12, fibers are separated by loose polyester binder threads). An overlapping layer of electrolytically chrome-coated corrugated steel (ECCS) armor then envelops the central tube. The inner surface of the ECCS armor is coated with a gel-free, super-absorbent, water-blocking powder that provides outstanding water penetration resistance “on demand”. Two steel strength rods are then placed lengthwise along the armor (diametrically positioned to each other) to provide additional tensile strength. Finally, a durable polyethylene (PE) jacket is applied to help provide protection in the rigorous outside plant (OSP) environment.



Mini C2 DT Cable Cross-Section

Why the Mini C2 DT Cable?

The small size and light weight of the Mini C2 DT Cable offers a more cost-effective, efficient solution for the smaller fiber counts that are needed in the last optical link of your network.

This cable's innovative dry design features no messy filling compounds, virtually eliminating the need for cleaning chemicals and wipes and enabling faster and cleaner OSP installation with almost effortless splice preparation. The Mini C2 DT Cable's totally dry construction also creates a more compact, lighter weight cable that is easier to handle and install and that helps save on cable storage space and shipping. By reducing transportation costs and the use of chemical cleaning supplies, this cable offers a more cost-effective, eco-friendly solution.

Suitable for underground conduit, direct buried and aerial/lashed applications*, the Mini C2 DT Cable's flexible, 3.5 mm central tube is also easily routed into pedestals and closures.

Features and Benefits:

- Optimized for fiber counts up to 24 for reduced deployment costs
- Totally dry, gel-free cable design for cleaner, faster installations
- Compact size facilitates more efficient duct utilization
- Steel strength rods allow ease of location following installation
- 600-pound (2700 N) Maximum Rated Cable Load (MRCL)
- Flexible 3.5 mm central tube routes easily into pedestals and closures
- RDUP (formerly RUS) listed; complies with Telcordia Technologies GR-20 specifications for reliable performance
- Available with OFS application-specific fibers, including AllWave® Zero Water Peak (ZWP) Single-Mode Fiber, TrueWave® RS Low Water Peak (LWP) Single-Mode Fiber and Multimode fibers

* Please review OFS Installation Procedure # 038 for cable placement recommendations.

Specifications

Fiber Count	1-24
Cable Outer Diameter – in. (mm)	0.38 (9.7)
Cable Weight – lb/kft (kg/km)	75 (111)

Performance Standard (all cables)

Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20-CORE Issue 3

Handling (all cables)

Minimum Bend Radius, With Load	15 x OD*
Minimum Bend Radius, With No Load	10 x OD
Minimum Bend Radius, Storage Coils	10 x OD
Maximum Rated Cable Load (MRCL)	600 lbf (2700 N)
Maximum Long Term Load	180 lbf (800 N)

Temperature: Installation:	-22° F to 140° F (-30° C to 60° C)
Operation:	-76° F to 158° F (-60° C to 70° C)
Storage:	-40° F to 167° F (-40° C to 75° C)

* OD = Outer Diameter of Cable

Mini C2 DT Cable Ordering Information

Example: **AT-3BEQ2QT-NNN**¹

Part Number: AT-<u>S1</u><u>S2</u><u>SF</u><u>S3</u><u>S4</u><u>S5</u><u>S6</u>-<u>NNN</u>	
	Fiber ² Sheath Core Fiber Count
S1 = Fiber Selection	SF = Fiber Type²
3 = 1310/1550 nm (AllWave® ZWP Single-Mode Fiber)	E = AllWave ZWP Single-Mode Fiber
6 = 1550 nm (TrueWave® RS LWP Single-Mode Fiber)	6 = TrueWave RS LWP
R = 850/1300 nm (Multimode Fiber)	9 = 62.5/125 µm Multimode
	2 = 50/125 µm Multimode
S2 = Fiber Transmission Performance	S3 = Sheath Construction
B = 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm (AllWave ZWP/ AllWave FLEX ZWP)	Q = Mini C2 DT
2 = 0.25 dB/km @ 1550 nm (TrueWave RS LWP)	S4 = Tensile Load
U = 3.4/1.0 dB/km and 200/500 MHz-km @ 850/1300 nm (62.5 µm Multimode)	2 = 600 lb (2700 N)
K = 3.4/1.0 dB/km and 200/500 MHz-km @ 850/1300 nm (62.5 µm Multimode) 2.5/0.7 dB/km and 500/500 MHz-km @ 850/1300 nm (50 µm Multimode)	
	S5 = Core Type
	Q = Totally Dry Tube (3.5 mm tube)
	S6 = Fibers per Tube
	T = 12 fibers
	NNN = Fiber Count = 001 – 024

¹ Part Number shown is for standard AllWave ZWP attenuation and standard cable print:
Maximum AllWave ZWP attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km (1310/1385/1490/1550/1625 nm)
Standard Print, example (Mini C2 DT Cable):

OFS OPTICAL CABLE AT-3BEQ2QT-NNN [MM-YY] [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.



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AllWave, and TrueWave are registered trademarks and Mini C2 is a trademark of OFS FITEL, LLC.

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

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