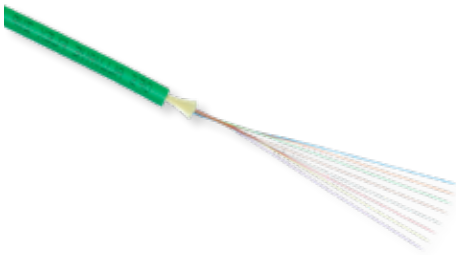




A Furukawa Company

AccuPack® Distribution Fiber Optic Cable

Compact Fiber Optic Cables Offer Enhanced Strength and Flexibility for Expanded Premises Use

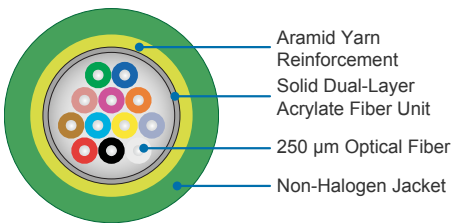


ACCUPack Distribution Cable

Features and Benefits:

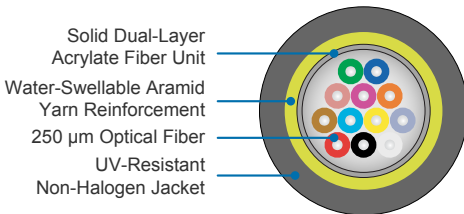
- Compact, flexible cordages allow ease of deployment and termination
- Enhanced crush-resistant products allow expanded application use with up to 200 N compression load using AllWave® FLEX+ ZWP Fiber
- Solid, UV-cured dual layer acrylate matrix supplies outstanding toughness and kink resistance while allowing easy removal
- Available with EZ-Bend® Optical Technology*
- Free of heavy metals and ROHS compliant
- CPR Rated
- Available with a variety of OFS optical fibers, including AllWave FLEX+ ZWP Optical Fiber

Indoor Optical Cable Design



- Aramid Yarn Reinforcement
- Solid Dual-Layer Acrylate Fiber Unit
- 250 µm Optical Fiber
- Non-Halogen Jacket

Indoor/Outdoor Optical Cable Design



- Solid Dual-Layer Acrylate Fiber Unit
- Water-Swallowable Aramid Yarn Reinforcement
- 250 µm Optical Fiber
- UV-Resistant Non-Halogen Jacket

ACCUPack Cross Section (12-Fiber Arrangement Shown)

Product Description

When you need a robust, high-density and flexible fiber optic cable for data center, central office or frame management applications, look to the OFS AccuPack® Distribution Cables. With Indoor, Indoor/Outdoor and Tough Coat (TC) Indoor designs to choose from, there's an AccuPack Cable to meet the needs of your installation.

The construction begins by gathering and encasing between 2 and 12 color-coded 250 micron (µm) optical fibers in a durable, dual-layer solid acrylate unit to create an AccuPack Fiber Unit. This AccuPack Unit is then surrounded with aramid yarn for reinforcement and covered with a flame-retardant, low smoke, zero-halogen (LSZH) outer jacket.

For the AccuPack TC Cable, the optical fibers are encased in an even more robust, dual-layer solid acrylate fiber unit. Then, one or two of these highly rugged AccuPack TC Optical Fiber Units are surrounded by aramid yarn and covered with either a plenum-rated or LSZH outer jacket.

Why The AccuPack Cables?

The AccuPack Fiber Optic Cables' unique structure features an acrylate matrix applied directly over the optical fibers to create a solid, dual-layer acrylate fiber unit. This specially-designed fiber unit offers excellent crush, bending and kink resistance, thereby expanding the use of these cables well beyond that of traditional interconnect cables. During installation, the matrix can be easily removed from the optical fibers with minimal residue, leaving the fibers ready for immediate splicing or connectorization.

The AccuPack Cables' compact size reduces congestion to minimize heat loads, thereby helping to lower energy costs and reduce operating expenses and capital investment.

The AccuPack Cables offer an excellent choice for any premises application where a high-density and durable yet flexible cable is needed, such as for installations in overhead racks or under-floor trays (including long runs) in data centers, LAN infrastructures or central offices.

* EZ-Bend Optical Technology (a break-through developed by OFS Labs) can provide up to a 500-fold improvement in bending performance over conventional single-mode fiber, to help avoid service disruptions and reduce installation costs.

Specifications	AccuPack Indoor/Outdoor (APIO)				AccuPack TC (APTC)				
	LSZH Only				LSZH			Plenum	
Fiber Count	2-4	6	8	12	12	24	48	12	24
Cable Outer Diameter - in. (mm)	0.19 (4.8)	0.19 (4.8)	0.19 (4.8)	0.19 (4.8)	0.18 (4.5)	0.21 (5.4)	0.24 (6.1)	0.18 (4.5)	0.21 (5.4)
Cable Weight - lb/kft (kgm/km)	13.0 (19.4)	12.2 (18.2)	12.7 (18.9)	12.9 (19.2)	14.1 (21.1)	18.9 (28.2)	24.9 (37.0)	15.9 (23.6)	21.3 (31.7)
Maximum Rated Cable Load (MRCL) - lb (N)	100 (440)	100 (440)	100 (440)	100 (440)	100 (440)	100 (440)	100 (440)	100 (440)	100 (440)
CPR Rating	Cca-s1a, d0, a1				Dca-s1a, d0, a1	Dca-s2, d1, a1	Dca-s2, d1, a2	-	-
DoP Lookup: www.ofs-sales.com/cpr/	APIO-XXX-D-H				APTC-012-B-H	APTC-024-B-H	APTC-048-B-H		

NOTE: XXX = Fiber Count (2 Fiber Cable = 002, 24 Fiber Cable = 024, etc.)

AccuPack Cable Ordering Information

Example: APIO-012C-WHY-4¹ (AccuPack Indoor/Outdoor)

Part Number: APTC-*NNNC* - *WXYZ*

APTC = AccuPack TC (Tough Coat)

APIO = AccuPack Indoor/Outdoor

NNN = Fiber Count
001, 002, 004, 006, 008 or 012 (AccuPack and AccuPack Indoor/Outdoor)
012, 024 or 048 (AccuPack TC)

V = Cable Version
D = AccuPack Indoor/Outdoor
B = AccuPack TC LSZH Rated
A = AccuPack TC Plenum Rated

W = Fiber Type (see chart)¹

X = Jacket Material (flame retardant)
H = Low Smoke, Zero Halogen (LSZH)
P = Plenum (AccuPack TC)

Y = Jacket Color²
Indoor Cable:
Y = Yellow (Single-Mode Optical Fiber)
O = Orange (50/125 µm Multimode Optical Fiber)
A = Aqua (LaserWave Optical Fiber)
Indoor/Outdoor Cable:
K = Black

Z = Maximum Cable Attenuation (see chart)

¹ Part Number shown is for an AccuPack Indoor/Outdoor LSZH Cable with yellow jacket, 12 fibers and standard print:
OFS ACCUPACK® ALLWAVE® FLEX+ ZWP BIF G.657.A2 OPTICAL CABLE -C- APIO-012C-WHY-4 9/125 LSZH CPR {MM/YY} {Lot No} {LENGTH IN METERS}

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

Performance Standard

Tested per Applicable Requirements of Telcordia Technologies GR-409, ICEA S-596 and EIA/TIA-598. The Plenum-Rated Cable is tested to NFPA 262 (UL 910).

Handling

Temperature: Installation: 14 °F to 140 °F (-10 °C to 60 °C)
Operation: -4 °F to 158 °F (-20 °C to 70 °C)
Storage: -40 °F to 158 °F (-40 °C to 70 °C)

Fiber Type²

Code	Description
W	AllWave <i>FLEX+</i> ZWP Bend-Optimized Single-Mode Optical Fiber (G.657.A2)
9	AllWave <i>FLEX</i> Max Bend-Optimized Single-Mode Optical Fiber (G.657.B3 & G.652.D)
D	EZ-Bend® Ultra Bend Insensitive Single-Mode Optical Fiber (G.657.B3)
K	LaserWave® <i>FLEX</i> G+ Multimode Optical Fiber (OM2) ⁺
3	LaserWave <i>FLEX</i> 300 Multimode Optical Fiber (OM3) ⁺
5	LaserWave <i>FLEX</i> 550 Multimode Optical Fiber (OM4) ⁺

* **NOTE:** Standard indoor and indoor/outdoor AccuPack Cables are not available with multimode optical fibers.

Maximum Cable Attenuation*

Single-Mode Optical Fibers (dB/km)	1310 nm	1550 nm	MCA (Z)
AllWave <i>FLEX+</i> and AllWave <i>FLEX</i> Max Optical Fiber	0.4	0.3	4
EZ-Bend® Ultra Bend-Insensitive Optical Fiber	0.4	0.3	4
Multimode Optical Fibers (dB/km)	850 nm	1300 nm	MCA (Z)
LaserWave <i>FLEX</i> 300 and 550 Optical Fiber	3.0	1.0	C
LaserWave <i>FLEX</i> G+ Optical Fiber	3.5	1.5	G*

* **NOTE:** Installed attenuation values shall be at or below those listed above.

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.



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