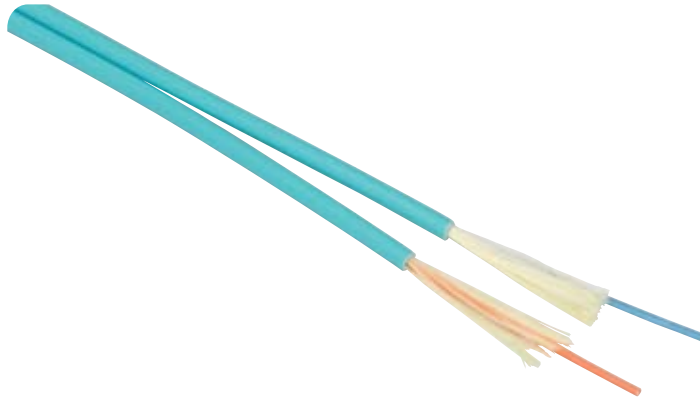


Fiber Optic Cable

LCF[®] Closet Distribution Cables: Plenum



ADC's LCF[®] closet distribution plenum cables are easy to terminate and provide exceptional mechanical and optical performance. Cables are available with diameters from 1.6 mm to 2.9 mm. All materials have been carefully selected to meet the latest industry requirements including UL listing for plenum applications. Closet distribution cables have been independently tested to insure compliance with the European Union's Restriction of the Use of Certain Hazardous Substances Directive (RoHS) and the State of California Safe Drinking and Toxic Enforcement Act of 1986 (Prop 65).

Features:

- Evenly distributed aramid yarn strength member simplifies terminations
- Eliminates the need to furcate for hybrid patch cords thus reducing labor costs
- Reduced shrink back minimizes attenuation and connector separation

Applications:

- Communications closet patch cord assemblies
- Work station outlet patch cord assemblies
- Small-form-factor connectors: LC, MU and LX.5[®] connectors
- Hybrid patch cords: small-form-factor connectors to legacy connectors

Compliances:

- Heavy metal/lead free cable independently verified to comply with current worldwide environmental demands
- Restriction of the Use of Hazardous Substances (RoHS) (2002/95/EC)
- State of California Safe Drinking and Toxic Enforcement Act of 1986 (Proposition 65)
- ISO/IEC 11801, IEC 60794-2, Optical Fiber Cables—Part 2
- Telcordia GR-409-CORE, ANSI/TIA FOTP standards
- ANSI/TIA 568-C
- (UL) 910, NEC OFNP, FT-6

SPEC SHEET



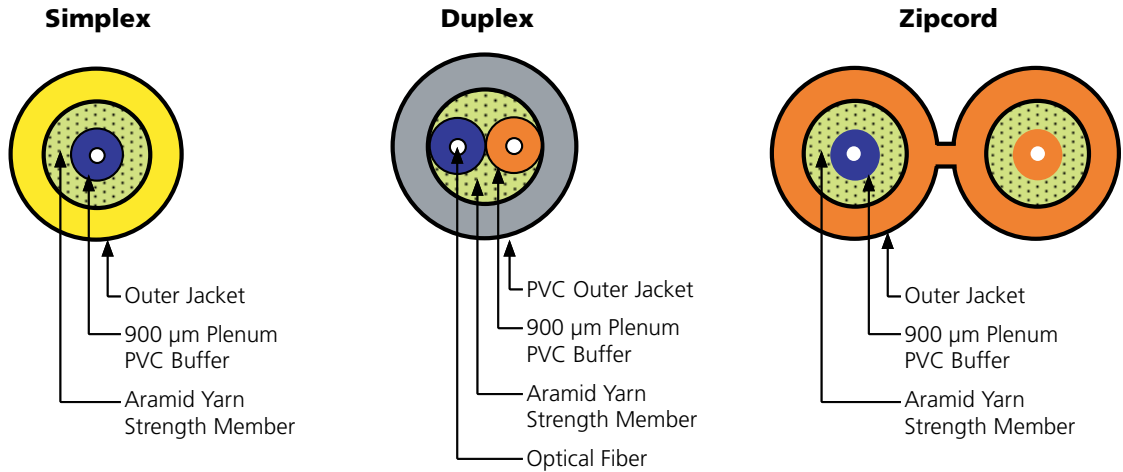
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Fiber Optic Cable

LCF[®] Closet Distribution Cables: Plenum

Specifications



Environmental Characteristics

Storage Temperature	-20° to 70° C (-4° to 158° F)
Operating Temperature	0° to 70° C (32° to 158° F)
Installation Temperature	0° to 70° C (32° to 158° F)

Mechanical Characteristics

	Simplex		Zipcord		Duplex
	2.9 mm	1.6 & 2.0 mm	2.9 mm	1.6 & 2.0 mm	2.9 mm
Max. Tensile Load N (lbf)	600 (134)	400 (89)	600 (134)	400 (89)	600 (134)
	200 (44)	100 (22)	200 (44)	100 (22)	200 (44)
Min. Bend Radius mm (in.)	45 (1.8)	30 (1.2)	45 (1.8)	30 (1.2)	45 (1.8)
	30 (1.2)	20 (0.8)	30 (1.2)	20 (0.8)	30 (1.2)

Optical Performance

	Maximum Attenuation (dB/km)	Typical Attenuation (dB/km)	Bandwidth ¹ (MHz/km)
	850 nm/1300 nm	850 nm/1300 nm	850 nm/1300 nm
Multimode			
62.5/125 μm	3.5/1.5	2.7/0.8	200/500
50/125 μm	3.5/1.5	2.7/0.8	500/500
50/125 μm Enhanced	3.5/1.5	2.7/0.9	500/500
50/125 μm Ultra 300	3.5/1.5	2.7/0.9	2000/500 ²
50/125 μm Ultra 550	3.5/1.5	2.7/0.9	4700 ² /500 ¹
	1310 nm/1550 nm	1310 nm/1550 nm	1310 nm/1550 nm
Singlemode	1.0/1.0	0.4/0.3	N/A

¹ Bandwidth measurements specified overfilled launch conditions (OFL)

² Bandwidth measurements specified by laser launch

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Fiber Optic Cable

LCF[®] Closet Distribution Cables: Plenum

Transmission Performance – Guaranteed Minimum Link Lengths

	Gigabit Ethernet Link Length (SX/LX)	10 Gigabit Ethernet Link Length (SR/LX4) ²
Multimode		
62.5/125 μm	300 m/550 m	35 m/300 m
50/125 μm	550 m/550 m	86 m/300 m
50/125 μm Enhanced	750 m/2000 m	110 m/300 m
50/125 μm Ultra 300	900 m/550 m	300 m/300 m
50/125 μm Ultra 550	1040 m/550 m	550 m/300 m ¹
		(LR/ER)
Singlemode	NA/5000 m	10 km/40 km

¹ Bandwidth measurements specified overfilled launch conditions (OLT)

² 10 Gigabit Ethernet distance guarantees at the long wavelength are achieved via four 3.125 Gbps channels multiplexed with WDM technology

Ordering Information

Cable Type	Fibers	Diameter		Weight		Catalog Number*
		mm	in.	kg/km	lb/1000'	
Singlemode						
Simplex	1	1.6	0.063	3.2	7	6001LFPSFH01016
Zip cord	2	1.6 x 3.5	0.063 x 0.138	6.8	15	6002LFPZCH01016
Simplex	1	2.0	0.079	3.6	8	6001LFPSFH01020
Zip cord	2	2.0 x 4.0	0.077 x 0.158	7.7	17	6002LFPZCH01020
Simplex	1	2.9	.0116	6.4	14	6001LFPSFH01029
Zip cord	2	2.9 x 6.0	0.116 x 0.237	15.9	35	6002LFPZCH01029
Duplex	2	2.9	0.116	6.8	15	6002LFPSKD01029
50/125 μm Multimode						
Simplex	1	1.6	0.063	3.2	7	6001LFPSFH05016
Zip cord	2	1.6 x 3.5	0.063 x 0.138	6.8	15	6002LFPZCH05016
Simplex	1	2.0	0.079	3.6	8	6001LFPSFH05020
Zip cord	2	2.0 x 4.0	0.077 x 0.158	7.7	17	6002LFPZCH05020
Simplex	1	2.9	.0116	6.4	14	6001LFPSFH05029
Zip cord	2	2.9 x 6.0	0.116 x 0.237	15.9	35	6002LFPZCH05029
Duplex	2	2.9	0.116	6.8	15	6002LFPSKD05029

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Ordering Information

Cable Type	Fibers	Diameter		Weight		Catalog Number*
		mm	in.	kg/km	lb/1000'	
50/125 µm Enhanced Multimode						
Simplex	1	1.6	0.063	3.2	7	6001LFPSFH50E16
Zip cord	2	1.6 x 3.5	0.063 x 0.138	6.8	15	6002LFPZCH50E16
Simplex	1	2.0	0.079	3.6	8	6001LFPSFH50E20
Zip cord	2	2.0 x 4.0	0.077 x 0.158	7.7	17	6002LFPZCH50E20
Simplex	1	2.9	.0116	6.4	14	6001LFPSFH50E29
Zip cord	2	2.9 x 6.0	0.116 x 0.237	15.9	35	6002LFPZCH50E29
Duplex	2	2.9	0.116	6.8	15	6002LFPSKD50E29
50/125 µm Ultra Multimode						
Simplex	1	1.6	0.063	3.2	7	6001LFPSFH50U16
Zip cord	2	1.6 x 3.5	0.063 x 0.138	6.8	15	6002LFPZCH50U16
Simplex	1	2.0	0.079	3.6	8	6001LFPSFH50U20
Zip cord	2	2.0 x 4.0	0.077 x 0.158	7.7	17	6002LFPZCH50U20
Simplex	1	2.9	.0116	6.4	14	6001LFPSFH50U29
Zip cord	2	2.9 x 6.0	0.116 x 0.237	15.9	35	6002LFPZCH50U29
Duplex	2	2.9	0.116	6.8	15	6002LFPSKD50U29
62.5/125 µm Multimode						
Simplex	1	1.6	0.063	3.2	7	6001LFPSFH06216
Zip cord	2	1.6 x 3.5	0.063 x 0.138	6.8	15	6002LFPZCH06216
Simplex	1	2.0	0.079	3.6	8	6001LFPSFH06220
Zip cord	2	2.0 x 4.0	0.077 x 0.158	7.7	17	6002LFPZCH06220
Simplex	1	2.9	.0116	6.4	14	6001LFPSFH06229
Zip cord	2	2.9 x 6.0	0.116 x 0.237	15.9	35	6002LFPZKD06229
Duplex	2	2.9	0.116	6.8	15	6002LFPSKD06229



Website: www.adc.com

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Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.

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