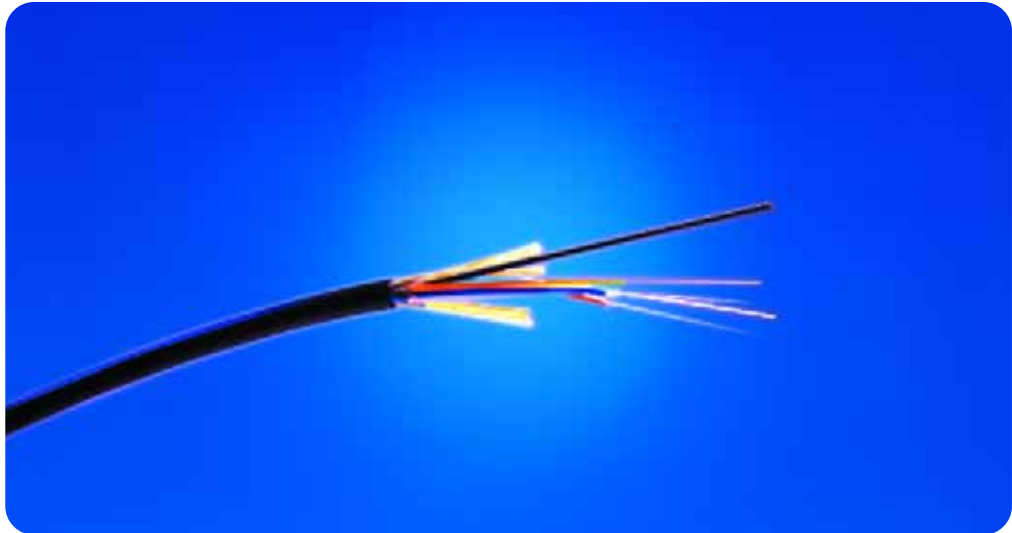


Fiber Optic Cable

All-Dielectric Outside Plant Cables



ADC's line of outdoor all-dielectric loose tube cables with polyethylene jackets are designed to meet all the rigors of the outside plant environment. The cable core is protected from moisture with a water swellable tape, eliminating the need for a filling compound. Terminations require less effort making the installation easier.

Features:

- Dry cable core
- Available in singlemode, 50 μm and 62.5 μm multimode versions
- Gel-filled buffer tubes
- All-dielectric or armored construction
- Available in hybrid constructions (singlemode and multimode)
- Excellent crush and impact resistance
- High pulling force
- Easy to install

- UV resistant outer sheath
- All cables tested to EIA/TIA FOTP standards
- Wide operating temperature range: -40° to 70 °C (-40° to 158 °F)
- Excellent above and below ground reliability
- Low attenuation for optimum signal reliability
- 2-288 fibers available

Applications:

- Campus backbone cabling
- Outdoor use including aerial and duct installations

Compliances:

- Telcordia GR-20-CORE
- EIA/TIA FOTPs

SPEC SHEET



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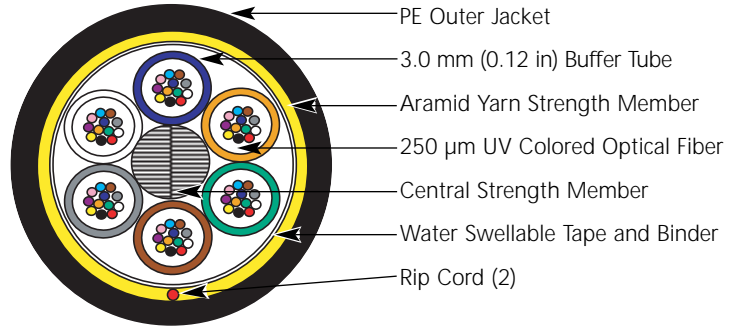


Fiber Optic Cable

All-Dielectric Outside Plant Cables

Specifications

LOOSE TUBE CABLE



ENVIRONMENTAL CHARACTERISTICS:

Storage Temperature	-40° to 75 °C	(-40° to 167 °F)
Operating Temperature	-40° to 70 °C	(-40° to 158 °F)
Installation Temperature	-30° to 70 °C	(-22° to 140 °F)

MECHANICAL CHARACTERISTICS:

	# Fibers	N (lbf)
Maximum Tensile Load	2-288	2700 (607)
	2-288	800 (180)
Minimum Bend Radius	20 x diameter	
Loaded	10 x diameter	
Installed		

8/05 • 1330119 All-Dielectric Outside Plant Cables



Fiber Optic Cable

All-Dielectric Outside Plant Cables

8 / 0 5 • 1 3 3 0 1 1 9 All-Dielectric Outside Plant Cables

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	3.5/1.5	2.7/0.8	200/500
62.5/125 Enhanced	3.5/1.5	2.7/0.8	200/500
50/125	3.5/1.5	2.7/0.8	500/500
50/125 Enhanced	3.5/1.5	2.7/0.9	500/500
50/125 Ultra 300	3.5/1.5	2.7/0.9	2000/500 ²
50/125 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

¹Bandwidth measurements specified overfilled launch conditions (OFL)

²Bandwidth measurements specified by laser launch

TRANSMISSION PERFORMANCE—Guaranteed Minimum Link Lengths:

	Gigabit Ethernet Link Length (SX/LX)	10 Gigabit Ethernet Link Length (SR/LX4) ³
Multimode		
62.5/125	300 m/550 m	35 m/300 m
62.5/125 Enhanced	500 m/1000 m	65 m/300 m
50/125	550 m/550 m	86 m/300 m
50/125 Enhanced	750 m/2000 m	110 m/300 m
50/125 Ultra 300	900 m/550 m	300 m/300 m
50/125 Ultra 550	1040 m/550 m	550 m/300 m ¹
		(LR/ER)
Singlemode	NA/5000 m	10 km/40 km

³10 Gigabit Ethernet distance guarantees at the long wavelength are achieved via four 3.125 Gbps channels multiplexed with WWDM technology

Ordering Information

Cable Type	Fibers	Diameter		Weight		Catalog Number*
		mm	in	kg/km	lb/1000'	
Duct (all-dielectric)	2-60	11.7	0.46	94	63	QXXLTSDNAYYY
	62-72	12.7	0.50	107	72	
	74-96	14.7	0.58	141	95	
	98-120	16.8	0.66	175	118	
	122-124	18.9	0.74	216	145	
	146-216	18.9	0.74	228	153	
	218-288	21.9	0.86	315	211	
	Single tube (all-dielectric)	2-12	9.7	0.38	91	61

*Replace XXX with fiber count .i.e 2 fibers = 002

Replace YYY with fiber type:

010 = Singlemode

062 = 62.5/125 µm Multimode

62E = 62.5/125 µm Enhanced Multimode

050 = 50/125 µm Multimode

50E = 50/125 µm Enhanced Multimode

50U = 50/125 µm Ultra Multimode for 300 m 10 Gbps

5U5 = 50/125 µm Ultra Multimode for 550 m 10 Gbps

SPEC SHEET



Web Site: 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 web site.

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