TrueNet® TracerLight™

Connector Identification System

ADC's innovative TracerLight™ Connector Identification System offers a quick and accurate method of identifying the termination point of optical patch cords. Each end of a TracerLight patch cord features a flashing light source allowing technicians to visually trace individual patch cords from one end to the other without pulling or affecting the patch cord.

Features:

- Dramatically minimizes the risk of taking the wrong fiber out of service
- Improves system turnup speed and accuracy
- TracerLight patch cords meet all performance criteria of standard ADC patch cords
- Ideally suited for SAN (Storage Area Network) and cross-connect patching
- 72% reduction in jumper turn-up times and 13% reduction in accidental down-time. TracerLight pays for itself again and again!

SPEC SHEET

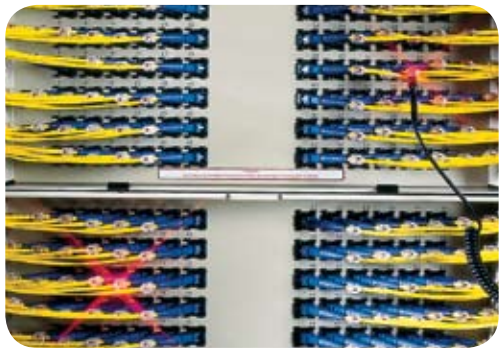
www.adc.com • +1-952-938-8080 • 1-800-366-3891

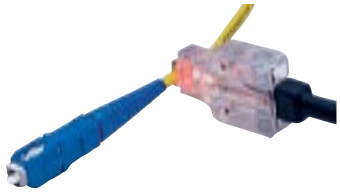
TrueNet® TracerLight™
Connector Identification System

TracerLight™ Patch Cord

TracerLight™ optical patch cords feature a flashing light source (LED) component near each connector end. The TracerLight power source is inserted with minimal force into the TracerLight component on one end of the patch cord. This causes the LED on each end to begin flashing rapidly. As a result, the distant end of the patch cord can be quickly and easily identified without interruption of service.

Available in any standard length or connector style, TracerLight patch cords have the same functions, features, and stringent environmental requirements as our standard patch cords. Optical performance of the patch cords is not affected by the TracerLight components. TracerLight patch cords are installed in the same manner as standard patch cords and can be pulled through ADC's FiberGuide® Fiber Cable Management System with ease. Also compatible with ADC's Next Generation frame with term block counts up to 144.





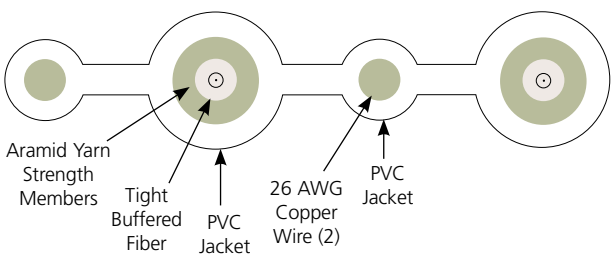
TracerLight Patch Cord

Ordering Information

Description	Ordering Number[1]
Multimode Duplex TracerLight Patch Cords	
LC-LC with 50/125 multimode laser optimized to 300m, aqua	FTL-P/P-KXXXM
LC-SC with 50/125 multimode laser optimized to 300m, aqua	FTL-9/P-KXXXM
SC-SC with 50/125 multimode laser optimized to 300m, aqua	FTL-9/9-KXXXM
Single Mode Duplex TracerLight Patch Cords	
LC-LC Single Mode	FTL-C/C-ZXXXM
LC-SC Single Mode	FTL-7/C-ZXXXM
SC-SC Single Mode	FTL-7/7-ZXXXM

[1]XXX – Length in meters. Standard lengths: 001 = 1 meter, 002 = 2 meters, 003 = 3 meters, 005 = 5 meters, 006 = 6 meters, 010 = 10 meters, 015 = 15 meters.

Duplex



TrueNet® TracerLight™
Connector Identification System

TracerLight™ Power Source

The compact power source is comprised of a lightweight, plastic flashlight body featuring two AA batteries and a printed circuit board (PCB). It provides approximately 80 hours of continuous service and features 1-hour auto-off. The end of battery life is indicated by a slowing of the blink rate.

TracerLight Power Source

Ordering Information

Description	Ordering Number
Power Source	FTL-PS

Specifications

CONNECTORS (Single Mode and Multimode)

Intermateability:	TIA/EIA-604-X
SC:	FOCIS-3
LC:	FOCIS-13*
Connector Body	
SC and LC:	Plastic
Ferrule:	TIA/EIA-604
LC:	Zirconia, 1.25
SC:	Zirconia, 2.5
Connector Color:	GR-326
Singlemode	
PC:	Blue
APC:	Green
Multimode	
SC:	Black
LC:	Beige

(Specifications continued on next page.)

10/06 • 103472AE TrueNet® TracerLight™

Specifications (cont.)

OPTICAL (Multimode)

Operating Wavelength:	850 and 1300 nm; all tested at both wavelengths
Insertion Loss:	0.3 dB maximum

OPTICAL (Single Mode)

Operating Wavelength:	1310 and 1550 nm; all tests below apply at both wavelengths
Insertion Loss:	PC: 0.2 dB maximum APC: 0.5 dB maximum
Return Loss:	PC: 57 dB minimum APC: 60.5 dB minimum

MECHANICAL (Single Mode and Multimode)

Vibration:	GR-326 and FOTP 11; ΔIL < 0.3 dB; 3 planes, 6hrs. 10-55 Hz
Flex Cycling:	GR-326 and FOTP 1; ΔIL < 0.3 dB; 100 cycles with 2lbs. load
Twist:	GR-326; ΔIL < 0.3 dB; 3lbs; 5 turns, 9 cycles
Mating Durability:	FOTP-21A; ΔIL < 0.3 dB; 500 cycles
Tensile Load (Proof):	GR-326 and FOTP-6; ΔIL < 0.3 dB; 15 lbs. at 0° and 7.5 lbs. at 90°
Impact:	GR-326 and FOTP-2; ΔIL < 0.3 dB; 8 drops from 1 meter (or 1.5 meters)

ENVIRONMENTAL (Single Mode and Multimode)

Thermal Age:	GR-326 and FOTP-4; ΔIL < 0.3 dB; 7 days at 85°C
Thermal Cycle:	GR-326 and FOTP-3A; ΔIL < 0.3 dB; 7 days, -40° to 75°C, 21 cycles
Humidity Age:	GR-326 and FOTP-5; ΔIL < 0.3 dB; 7 days at 75°C and 95% RH

* Release Pending

Note: 0.3dB max IL @ 850/1300 included with all assemblies.

Note: Now included with all flat polish (UPC) SC and LC singlemode connectors:

- 0.2 dB maximum insertion loss at both 1310 and 1550 nm
- 100% interferometer data
- ±50 nm recession
- <50 micron apex offset
- 10-25 mm radius of curvature

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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