

# ADC Structured Cabling Solutions TracerLight

## Connector Identification System

Issue 2



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 minimises the risk of taking the wrong fibre out of service
- Improves system turn-up 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



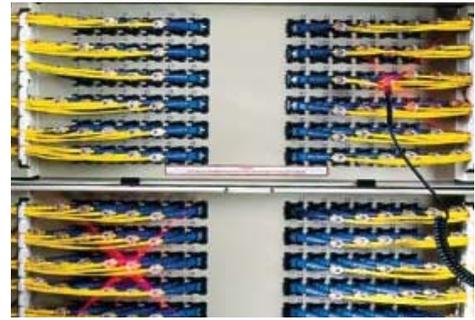
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## TracerLight® Patch Cord

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® Fibre Cable Management System with ease. Also compatible with ADC's Next Generation frame with term block counts up to 144.



TracerLight Patch Cord

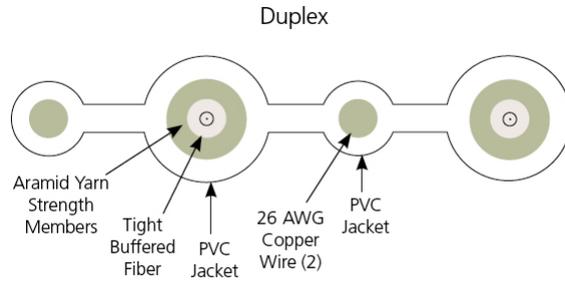
Description	Product No.
<b>Multimode Duplex TracerLight® Patch Cords</b>	
LC-LC with 50/125 multimode laser optimised to 300m, aqua	FTL-PPKXXXM
LC-SC with 50/125 multimode laser optimised to 300m, aqua	FTL-9PKXXXM
SC-SC with 50/125 multimode laser optimised to 300m, aqua	FTL-99KXXXM
<b>Singlemode Duplex TracerLight® Patch Cords</b>	
LC-LC Singlemode	FTL-CCZXXXM
LC-SC Singlemode	FTL-7CZXXXM
SC-SC Singlemode	FTL-77ZXXXM

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



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## 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



Description	Product No.
Power Source	FTL-PS



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## Connector Identification System

### Specifications

#### CONNECTORS (Singlemode and Multimode):

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

(Specifications continued on next page.)

### Specifications (cont.)

#### OPTICAL (Multimode)

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

#### OPTICAL (Singlemode)

**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

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## Connector Identification System

### MECHANICAL (Singlemode and Multimode)

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

### ENVIRONMENTAL (Singlemode and Multimode)

<b>Thermal Age:</b>	GR-326 and FOTP-4; $\Delta$ IL < 0.3 dB; 7 days at 85°C
<b>Thermal Cycle:</b>	GR-326 and FOTP-3A; $\Delta$ IL < 0.3 dB; 7 days, -40° to 75°C, 21 cycles
<b>Humidity Age:</b>	GR-326 and FOTP-5; $\Delta$ IL < 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
- $\pm$ 50 nm recession
- <50 micron apex offset
- 10-25 mm radius of curvature

SPEC SHEET

\*KRONE Communications Ltd. is now ADC India Communications Ltd.



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