

TrueNet®

12-Fiber Plug-and-Play Array Cables



ADC's TrueNet® 12-Fiber Plug-and-Play Array Cables provide a convenient and efficient method to connect active equipment into the network. These 12-fiber round 3 mm cables contain a pre-terminated high density MPO pinned connector on one end and either LC or SC connectors on the other. The TrueNet 12-Fiber Plug-and-Play Array Cable assemblies can simply be plugged into any plug-and-play cassette in the optical distribution frame or fiber enclosure which eliminates the need for on-site fiber termination and preparation.

Features:

- Round design with outer diameter of 3 mm eliminates preferential bend issues which results in increased density and greater manageability
- Each LC or SC leg clearly labeled and identified
- Standard breakout length 18-inches, which is optimum to connect to active equipment
- LC version features ADC patented clear LC duplex clip for easy removal in field

SPEC SHEET



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



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Polarity Made Simple

One of the most common questions regarding MTP deployments is how the system design addresses the polarity issue of the fiber. ADC's TrueNet system employs the recommendations made in TIA standard TIA-568-C Figure 1: Connectivity Method A for Duplex Signals (shown below).

The TrueNet plug-and-play trunks utilize a key up/key down fiber array as noted in TIA-568-C (diagram above), and the TrueNet plug-and-play cassettes are wired straight through. In addition, the TrueNet duplex jumpers have a duplex clip that is easily removed for polarity changes in the field.

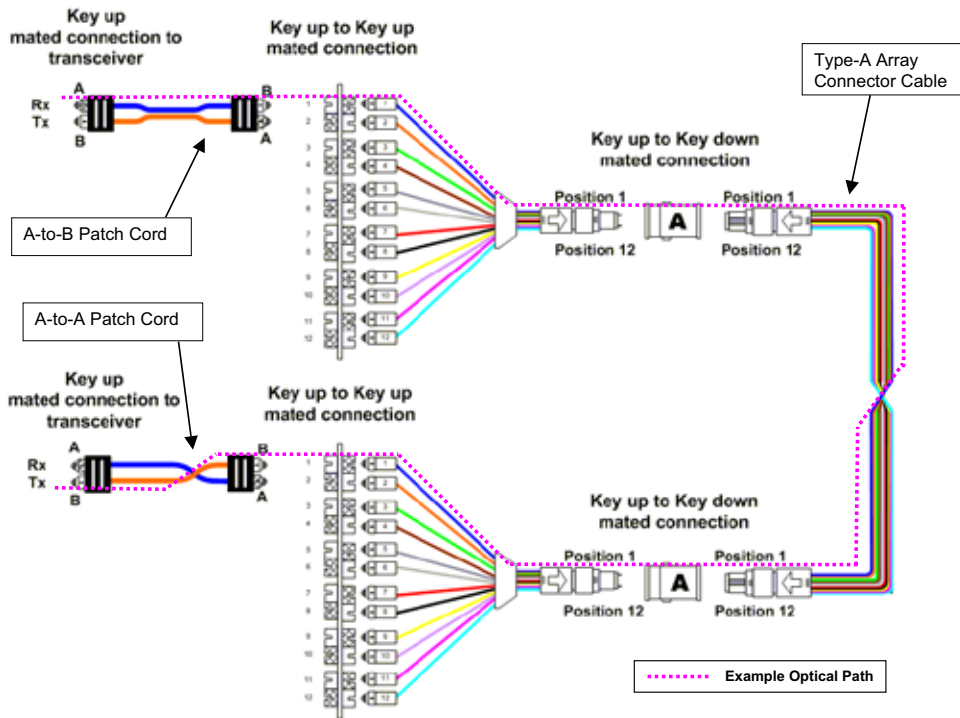
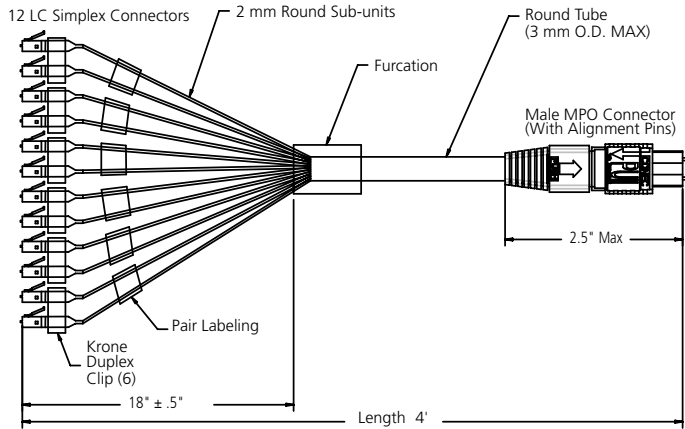


Figure 1: Connectivity method A for duplex signals



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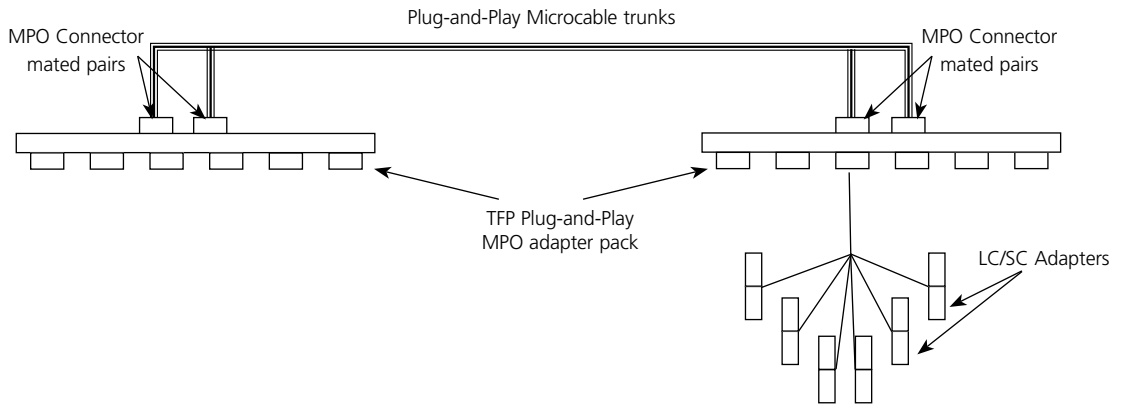
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Polarity/Wire Chart

MPO Position	Fiber	LC Fiber Color
NT1	LC-1	Blue
NT2	LC-2	Orange
NT3	LC-3	Green
NT4	LC-4	Brown
NT5	LC-5	Slate
NT6	LC-6	White
NT7	LC-7	Red
NT8	LC-8	Black
NT9	LC-9	Yellow
NT10	LC-10	Violet
NT11	LC-11	Rose (Pink)
NT12	LC-12	Aqua

Optical Specifications



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Module Loss
(measured through MPO mated pair to LC adapter)

	850 nm	1310 nm
Insertion Loss		
Maximum:	0.70 dB	1.0 dB
Typical:	0.25 dB	0.4 dB
Return Loss		
Maximum:		-65 dB
Trunk Insertion Loss (per meter)		

	850 nm	1310 nm
Maximum:	.0035 dB	.001 dB
Channel/Link Insertion Loss with 31 meter (100') trunk (as shown in figure above)		

	850 nm	1310 nm
Maximum:	1.1085 dB	2.031 dB
Typical:	0.6085 dB	0.831 dB

ENVIRONMENTAL

Storage Temperature:	-40° to 70° C (-40 to 158° F)
Operating Temperature:	0° to 70° C (32 to 158° F)
Installation Temperature:	0° to 70° C (32 to 158° F)

Ordering Information

Description	Length	Catalog Number
50/125 LOMMF to 300 m Cable Assemblies – OFNP rated; MPO pinned, 18" breakout		
LC	3 m	MRM-AM/OPJG003M-18
	4 m	MRM-AM/OPJG004M-18
	5 m	MRM-AM/OPJG005M-18
SC	3 m	MRM-AM/09JG003M-18
	4 m	MRM-AM/09JG004M-18
	5 m	MRM-AM/09JG005M-18
Singlemode Elite Cable Assemblies – OFNP rated; MPO pinned, 18" breakout		
LC/UPC	3 m	MRE-AM/OKJA003M-18
	4 m	MRE-AM/OKJA004M-18
	5 m	MRE-AM/OKJA005M-18
SC/UPC	3 m	MRE-AM/07JA003M-18
	4 m	MRE-AM/07JA004M-18
	5 m	MRE-AM/07JA005M-18

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Website: www.adc.com

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