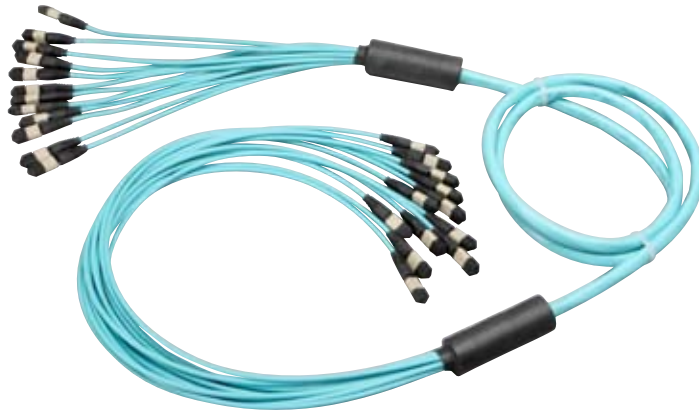


TrueNet®

High Fiber Count Plug-and-Play Trunks



ADC's TrueNet® High Fiber Count Plug-and-Play Trunks provide the backbone cabling for the TrueNet Plug-and-Play system. These high count trunk cables come pre-terminated with high-density MPO connectors on both ends and provide an easy and efficient way to pull large numbers of fibers at one time to help in the rapid deployment of the TrueNet Plug-and-Play system either in the data center or Local Area Network (LAN). Each trunk has custom breakouts designed to work with ADC TrueNet Plug-and-Play connectivity. The TrueNet High Fiber Count Trunks 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:

- Construction of rugged loose-tube fiber cable
- Ship with a pulling sock on one end to aid with installation
- Cable assemblies contain OFNP flame rated cable
- Breakouts specifically designed to work with ADC TrueNet Plug-and-Play connectivity

SPEC SHEET



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TrueNet®

High Fiber Count Plug-and-Play Trunks

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.

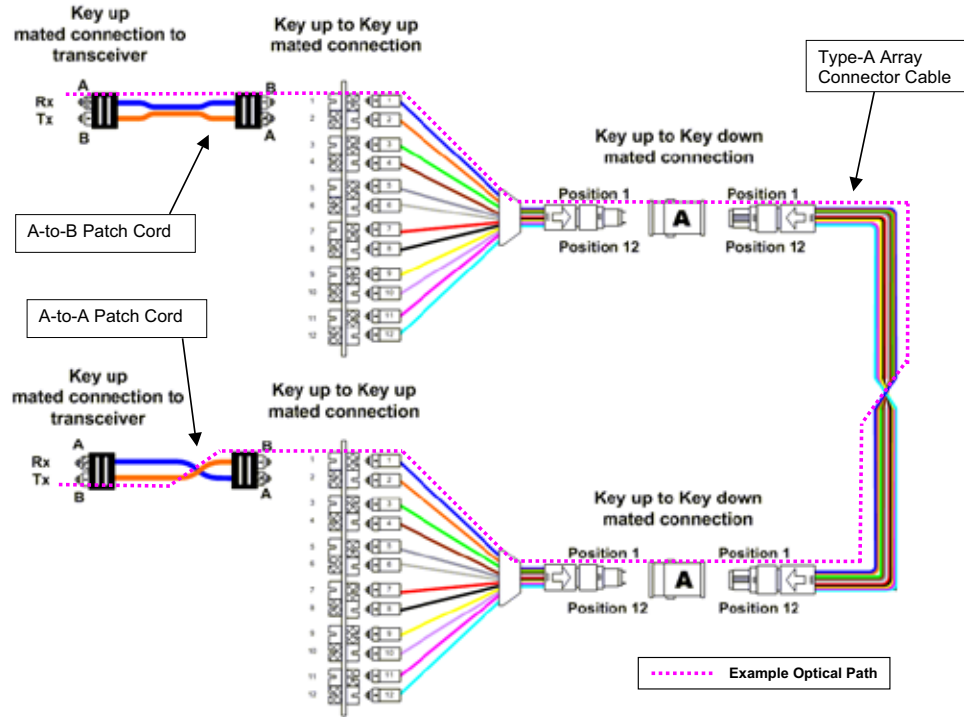


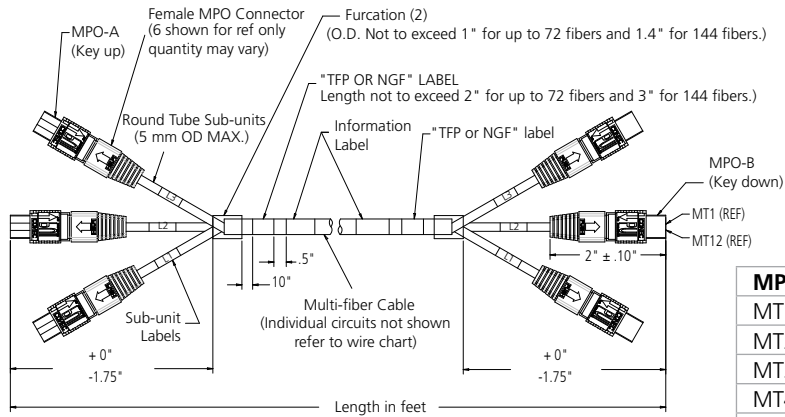
Figure 1: Connectivity method A for duplex signals



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High Fiber Count Plug-and-Play Trunks

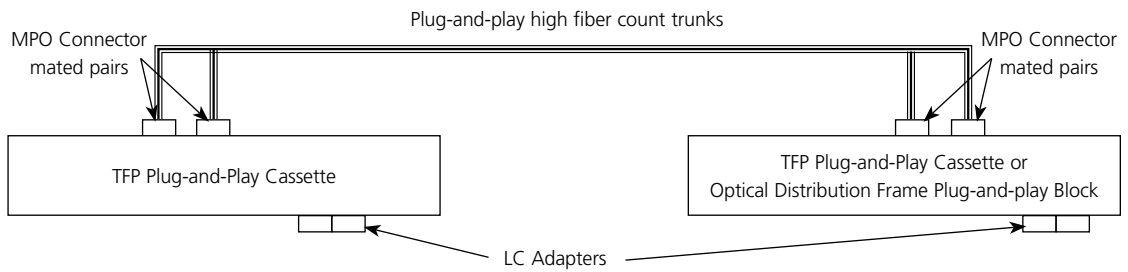
12/09 • 106254AE High Fiber Count Plug-and-Play Trunks



Polarity/Wiring Scheme

MPO - A	MPO - B	Fiber Color
MT1	MT1	Blue
MT2	MT2	Orange
MT3	MT3	Green
MT4	MT4	Brown
MT5	MT5	Slate
MT6	MT6	White
MT7	MT7	Red
MT8	MT8	Black
MT9	MT9	Yellow
MT10	MT10	Violet
MT11	MT11	Rose (Pink)
MT12	MT12	Aqua

Optical Specifications



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)		
Maximum:	.0035 dB	.001 dB
Channel/Link Insertion Loss with 31 meter (100') trunk (as shown in figure above)		
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	Breakout	Catalog Number
50/125 laser optimized multimode to 300 m Trunks; MPO-MPO trunk		
48-fiber	ODF-ODF	MRM-AF/AFFGXXXF-BB
	ODF-TFP	MRM-AF/AFFGXXXF-AB
	TFP-TFP	MRM-AF/AFFGXXXF-AA
72-fiber	ODF-ODF	MRM-AF/AFGGXXXF-BB
	ODF-TFP	MRM-AF/AFGGXXXF-AB
	TFP-TFP	MRM-AF/AFGGXXXF-AA
96-fiber	ODF-ODF	MRM-AF/AFKGXXXF-BB
	ODF-TFP	MRM-AF/AFKGXXXF-AB
	TFP-TFP	MRM-AF/AFKGXXXF-AA
144-fiber	ODF-ODF	MRM-AF/AFHGXXXF-BB
	ODF-TFP	MRM-AF/AFHGXXXF-AB
	TFP-TFP	MRM-AF/AFHGXXXF-AA
Singlemode Elite Trunks; MPO-MPO trunk		
48-fiber	ODF-ODF	MRE-AF/AFFAXXXF-BB
	ODF-TFP	MRE-AF/AFFAXXXF-AB
	TFP-TFP	MRE-AF/AFFAXXXF-AA
72-fiber	ODF-ODF	MRE-AF/AFGAXXXF-BB
	ODF-TFP	MRE-AF/AFGAXXXF-AB
	TFP-TFP	MRE-AF/AFGAXXXF-AA
96-fiber	ODF-ODF	MRE-AF/AFKAXXXF-BB
	ODF-TFP	MRE-AF/AFKAXXXF-AB
	TFP-TFP	MRE-AF/AFKAXXXF-AA
144-fiber	ODF-ODF	MRE-AF/AFHAXXXF-BB
	ODF-TFP	MRE-AF/AFHAXXXF-AB
	TFP-TFP	MRE-AF/AFHAXXXF-AA

Note: XXX = lengths in feet of overall trunk.

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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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