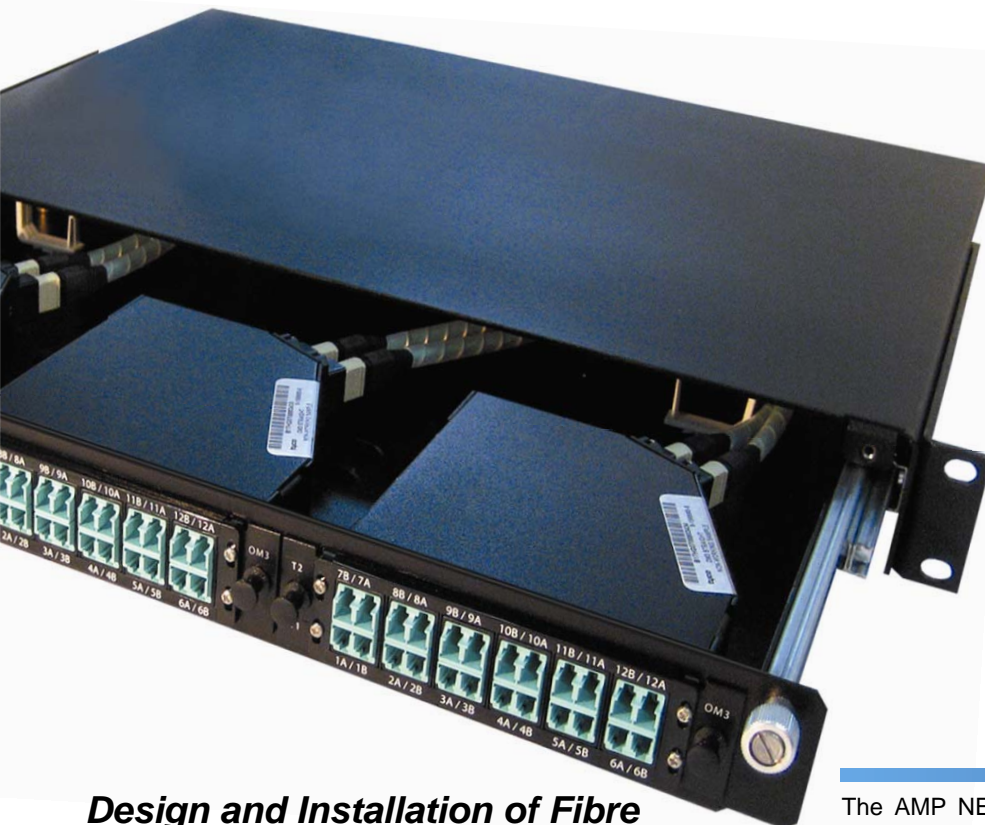


## Fibre Optic MPO Cabling System Factory-Terminated “Plug&Go” Solutions



### KEY PRODUCT FEATURES

- :: Pre-terminated connectors
- :: High port density
- :: Rapidly deployable
- :: Easy-mate one-click terminations
- :: Up to 96 Fibres /1RU
  - LC, SC or MT-RJ interfaces
  - OS1, OM1 and OM3 performance
- :: Portable solution



### Design and Installation of Fibre Optic Channels made simple.

Duplex fibre channels require the system link transmitter (Tx) to receiver (Rx) to be flipped once. It is recommended the pair wise flip is provided by the MPO Trunk, while cassettes and duplex patch cords in the link shall be installed as straight versions.



The AMP NETCONNECT MPO System reduces design and installation complexity. Designers and network administrators are able to simply choose and manage, a **pair wise flipped trunk, straight cassettes and standard duplex patch cords.**

This recommended design (pair wise flipped trunk and straight cassettes) meets the guide lines set out in TIA-568-B1-7 Polarity Array connector standard: **connectivity method C for duplex signals.**

The AMP NETCONNECT MPO Cabling System provides key features which traditional cabling systems cannot offer.

**MPO system components are factory terminated and tested which enable users to rapidly deploy a portable, modular high-speed “Plug&Go” solution in comparison to traditional termination methods.**

The core of the MPO fibre optic cabling system is the MT-Ferrule. This precision component allows 12 fibres to be housed within a single connector that is half the size of an SC duplex connector. One-click style connection results in a drastically reduced termination and installation time for 12 fibres.



Our Pre-terminated cable trunks which connect to modular break-out cassettes allow flexible and fast deployment of fibre optic solutions within all office environments and datacenters that require multiple gigabit support.

# Pre Terminated MPO Trunk Cables (TIA pair wise flipped)



Trunk: Fibre type	Ribbon Style P/Flipped	Distribution style P/Flipped
OS1 9/125 µm (Yellow)	x-1568967-x	x-1966417-x
OM1 62.5/125 µm (Orange)	x-1568968-x	x-1966416-x
OM3 50/125 µm 10 Gb/s XG (Aqua)	x-1568750-x	x-1568751-x

X-Part Number-X Standard Lengths: other are available on request

-1 = 10m 4- -1 = 15m -2 = 20m 4- -2 = 25m -3 = 30m 4- -3 = 35m -4 = 40m  
-5 = 50m -7 = 70m -9 = 90m 1- = 100m 1- -5 = 150m 2- =200m 3- = 300m

## MPO Pulling Sock Kit:

Reusable Protective pulling sock for MPO connector ends 1966418-1

## Fan-Out MPO (Application: MPO connection to cassettes LC&SC to active equipment)

	6x SC Duplex	6x LC Duplex
OS1 9/125 µm (Yellow)	x-1568969-x	x-1568971-x
OM1 62.5/125 µm (Orange)	x-1568970-x	x-1568972-x
OM3 50/125 µm 10 Gb/s XG (Aqua)	x-1568732-x	x-1568734-x

X-Part Number-X Standard Lengths: other are available on request

4- -0= 5m, -1 = 10m, 4- -1 15m, -2 = 20m

## MPO Cassettes



Fibre type	LC 96p (48 duplex)	LC 24p (12 duplex)	LC 12p (6 duplex)	SC (6 duplex)
OS1 9/125 µm (Blue)	1966328-3	1568665-4	1568664-4	1568666-4
OM1 62.5/125 µm (Biege)	1966328-4	1568665-5	1568664-5	1568666-5
OM3 50/125 µm 10 Gb/s XG (Aqua)	1966328-1	1568665-8	1568664-8	1568666-8

## Enclosure & Patch panels for Cassettes (unpopulated)



559552-2 Fibre Enclosure  
4RU accepts 12 Cassettes



1154343 Fibre Sliding Tray 1RU  
accepts 3 Cassettes



1671114-4 Breakout-Panel for 3 MPO Cassettes  
1711314-2 Rear Cable Manager  
(fits to the back of a Rack Rail for MPO and MRJ21)

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