

MPO Micro-core Style Fiber Cable Assemblies

ARIA Sub-unitized Micro-core style MPO fiber cable assemblies are multi-fiber cables pre-terminated, ideal for customer premise installations where small size is needed to maximize space. These assemblies are configured with 12 each 250um color-coded fibers per tube, surrounded by strengths members and a PVC outer jacket – ideal for high density applications. All Assemblies are riser rated and meet UL-1666 OFNR, OFNP, LSZH and GR-326-CORE as well as tested to EIA/TIA 568-A and GR409-CORE. Available in fiber counts from 12 to 48 fibers.

Aqua 10 gig (OM3)



OM4



Singlemode OS2



- Cable and Connectors color-coded for easy ID
- Small Diameter for space-savings
- Design provides resistance to loss from bending
- Ideal for Data Centers and Co-location Centers
- Intra-building Tie Cables
- Plug and Play Systems

Specifications									
Parameter	Single-mode Assemblies					Multimode Assemblies			
	LC		SC		MTP	LC	SC	MTP (LOW LOSS)	MTP (STANDARD)
	ULTRA	ANGLED	ULTRA	ANGLED	ANGLED				
Insertion Loss (Typical dB)	0.15	0.15	0.15	0.15	0.35	0.15	0.15	0.15	0.35
Insertion Loss (Maximum dB)	0.3	0.3	0.3	0.3	0.75	0.5	0.5	0.2	0.75
Return Loss (Typical dB)	-60	-70	-60	-70	-65	-35	-35	-30	-30
Return Loss (Minimum dB)	-55	-65	-55	-65	-55	-30	-30	-20	-20
Temperature Range (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +75	-40 to +85	-40 to +85	-40 to +75	-40 to +75
Durability Cycles	500	500	500	500	200	500	500	200	200

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Part Number Ordering Guide:

MPO - ① - ② - ③ - ④ - ⑤ - ⑥ - ⑦ - ⑧ - ⑨

1. Fiber Count

12= 12 Fibers
24= 24 Fibers
48= 48 Fibers

2. Fiber Mode

8= Singlemode 8.3 um
6= Multimode 62.5 um
5= Multimode 50 um
OM3= Multimode 50 um
OM3
OM = Multimode 50 um
OM4

3. Connector Type

Singlemode

1= MPO Green Housing
2= SC/UPC
3= LC/UPC
X=No connector (pigtail)

Multimode

4= MPO
5= MPO low loss
6= SC
7= LC

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Singlemode

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Multimode

4= MPO
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7= LC/UPC

5. Breakout Length (SC and LC)

24NBO= 24 inch breakout
36NB = 36 inch breakout
Or list custom length,
Eg. 30NBO
MPO to MPO = X for 48
fiber enter length

7. Cable Jacket Type

R= OFNR
P= OFNP
L= LSZH

6. Breakout OD

MPO to MPO= X
9= 900um
2AFK= 2.00mm
3AFK= 3.00mm tubing

8. Overall Cable Length

XXXXU= (Length, Unit)

Example:

100F = 100 Feet
20M = 20 Meters

9. P= Pulling Eye, NP= No Pulling Eye