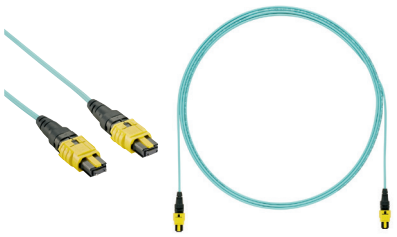
PanMPO™ Reference Cable Assemblies

PANDUIT®

SPECIFICATION SHEET

technical information

PanMPO™ Reference Cable Assemblies are pre-terminated 12-fiber reference grade MPO-compatible assemblies that are used to perform permanent link testing to commission and certify MPO-based structured cabling to international and domestic cabling standards. These reference cable assemblies are terminated with reference grade PanMPO™ Connectors on both ends that allow for any combination of gender and polarity cable plant to be tested using single jumper referencing methods. PanMPO™ Reference Cords contain connectors that display nominal optical and geometrical characteristics.



application

For testing MPO-based cable plant in support of 40GBASE-SR, 100GBASE-SR10, and 40GBASE-SR4 applications. Reference quality MPO cords must be used to ensure accurate, repeatable and reproducible measurements for permanent link certification. Reference Cable Assemblies with PanMPO™ Connectors provide contractors the capability to maintain high measurement integrity over time through the ability to retract the alignment pins in the connector for effective cleaning of the complete MPO connector surface.

construction

Cable type:	Round jacketed 3.0mm
Cable jacket ratings:	Plenum (OFNP)
Fiber types:	OM3 - 50/125µm* OS2 - 9/125µm
Connector types end 'A':	PanMPO™ Female
Connector color, end 'A':	Yellow
Fiber count:	12
Jacket color:	Aqua - OM3 Yellow - OS2
Connector types, end 'B':	PanMPO™ Female
Connector color, end 'B':	Yellow

physical properties

Cable outside diameter (OD):	3.0mm
Minimum bend radius:	30mm
Cable retention strength:	50N
Cable flex:	100 cycles @4.9N
Cable twist:	10 cycles @15N
Connector durability:	500 mating cycles

optical properties

Maximum connector insertion loss:	0.25dB
Minimum connector return loss:	30dB - OM3 65dB - OS2

environmental properties

Storage and shipping temperature:	-40°C to +70°C
Operating and installation temperature:	0°C to +70°C

standards

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-568-C.1, RoHS compliant.

*Compatible for testing OM3/OM4 cable plant

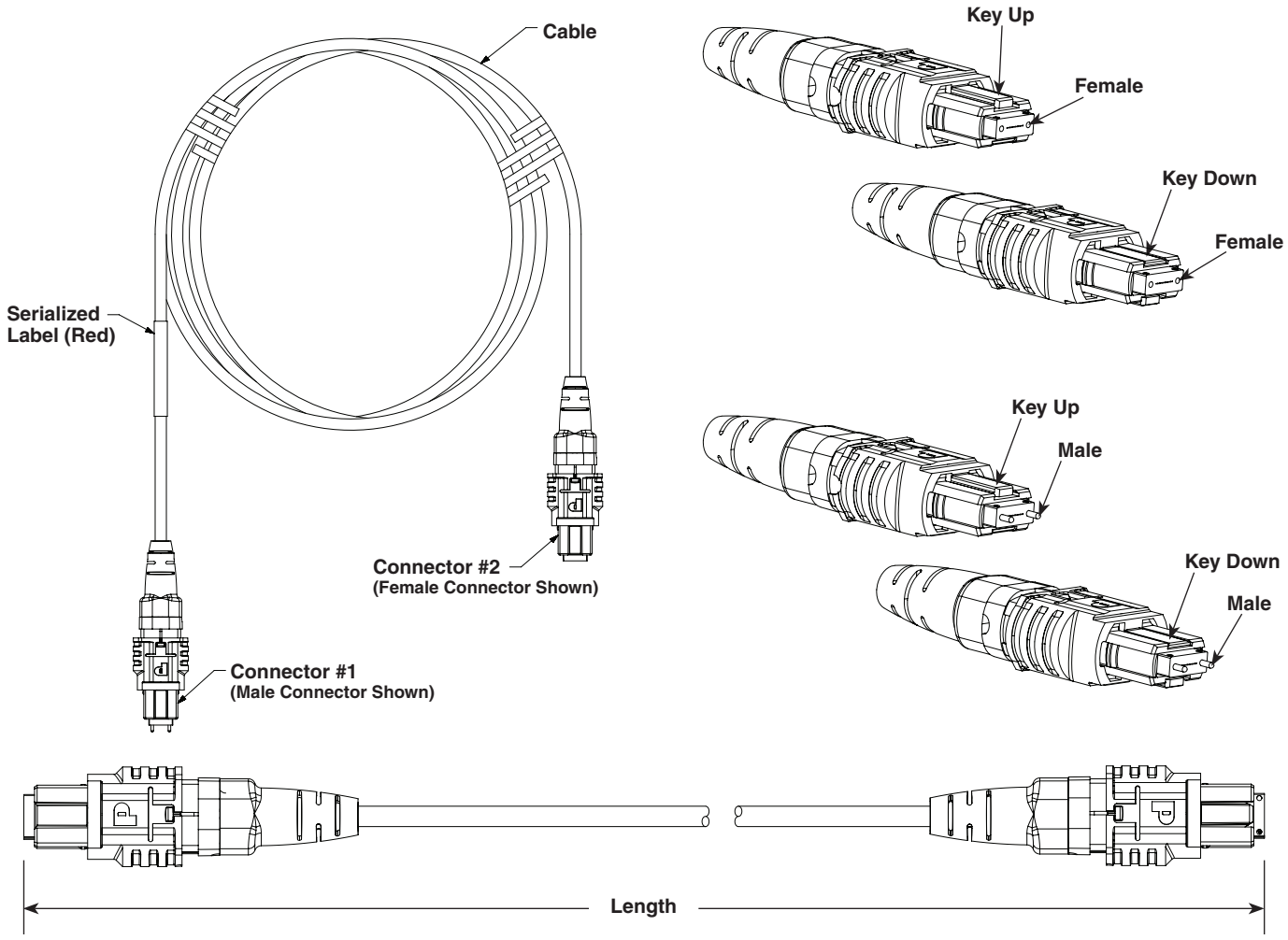
PanMPO™ Reference Cable Assemblies

part number

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12
EXAMPLE	F	R	B	X	R	7	-	R	7	M	0	2

1 – Fiber Product
F = Fiber
2 – Cable Type
R = Reference
3 – Fiber Count
B = 12 fiber round jacketed
4 – Fiber Type
X = OM3, 50/125µm*
9 = OS2, 9/125µm
5 – Connector A Quality
R = Precision Reference
6 – Connector A
7 = PanMPO™ Female
7 – DASH
8 – Connector B Quality
R = Precision Reference
9 – Connector B
7 = PanMPO™ Female
10– Unit of Length
M = Meters
11,12 – Length
(standard length is 2m)

cable assembly detail



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For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

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FBSP80--WW-ENG
11/2014