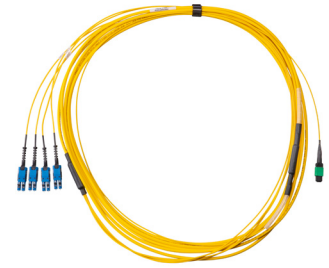


Euroclass Base 8 LC Breakout Trunk Cable Assemblies

specifications

Breakout Trunk cable assemblies shall allow for rapid deployment and breakout of parallel applications (i.e.; 100GBASE-SR4) to duplex connectivity (4x25GBASE-SR). These Breakout Trunk cable assemblies shall optimize cable routing requirements to ensure efficient use of pathway space and significantly reduce installation time and cost. Breakout Trunk cable assemblies are built with modular PanMPO/MPO connectivity and provide compatibility, flexibility, and system performance in all applications. Breakout Trunk cable assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity at speeds of 25/40/50/100/400G and beyond.



applications

Allows system designers to tailor configuration, reach and breakout construction to application requirements; to minimize waste, optimize cable management, speed deployment, improve flexibility and manageability for lower installation costs.

constructions

Cable type:	Indoor Trunk	
Cable jacket rating:	LSZH Euroclass (B2ca)	
Fiber types:	Singlemode:	OS2 9/125µm
	Multimode:	OM4 50/125µm OM4+ 50/125µm OM5 50/125µm
Connector types end 'A':	MPO-8 Female or Male, PanMPO™-8 Female or Male	
Connector types end 'B':	LC Duplex, Pigtail, LC Uniboot Push Pull	
Fiber count:	8	
Jacket color:	OS2	Yellow
	OM4	Aqua
	OM4+	Aqua
	OM5	Lime

optical properties

Maximum cable attenuation:	Singlemode:	0.4dB/km at 1310nm 0.3dB/km at 1550nm
	Multimode:	3.0dB/km at 850nm 1.0dB/km at 1300nm
Maximum connector insertion loss:	Standard Singlemode MPO:	0.75dB
	Optimized Multimode MPO:	0.35dB
	Ultra Multimode MPO:	0.25dB
	Standard Singlemode LC:	0.35dB
	Optimized Multimode LC:	0.15dB
	Ultra Multimode LC:	0.10dB
Connector return loss:	Singlemode:	MPO, LC >55dB
	Multimode:	MPO >30dB LC >26dB

physical properties

Cable outside diameter (OD):	8-fiber:	4.5mm
Cable Construction:	250µm Distribution Cable	
Minimum bend radius:	Under load:	20 × Cable OD
	Static:	10 × Cable OD
Cable tensile strength:	440N (100 lbs.)	
Cable compressive load:	100 N/mm	
Connector durability:	500 mating cycles*	
Breakout outside diameter:	2.0mm	
Breakout length:	1m	

*With proper cleaning and inspecting.

environmental properties

Operating temperature:	-20°C to + 70°C (-4°F to 158°F)
Storage and shipping temperature:	-40°C to +70°C (-40°F to 158°F)
Installation temperature:	-10°C to + 60°C (14°F to 140°F)

standards

Meets or exceeds:	ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-568-C.1, GR-409-CORE, ICEA S-83-596 RoHS Compliant
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Euroclass Base 8 LC Breakout Trunk Cable Assemblies

part number configurator

Example: FYZ8BJPV015M030 - OM4 8-Fiber Standard (Base 8) Indoor Small Diameter Trunk, EuroClass B2ca, PanMPO-8 Female with 1 m breakout to LC Uniboot Push Pull with 1 m breakout, 4-to-1 (U2), Optimized IL, Pulling Eye End A, 30 meters.

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EXAMPLE	F	Y	Z	8	B	J	P	V	0	1	5	M	0	3	0

1 – Fiber

F = Fiber

2 – Cable Type

Y = Indoor small diameter trunk cable

3 – Fiber Type

9 = OS2 Singlemode 9/125µm

Z = OM4 50/125µm

S = OM4+ 50/125µm

W = OM5 50/125µm

4 – Fiber Count

8 = 8-Fibers

5 – Jacket Type

B = LSZH Euroclass (B2ca)

6 – Connector Type (End A)

G = MPO-8 Female

H = MPO-8 Male

J = PanMPO-8 Female

K = PanMPO-8 Male

X = MPO-8 Female APC (SM)

Y = MPO-8 Male APC (SM)

V = PanMPO-8 Female APC (SM)

W = PanMPO-8 Male APC (SM)

7 – Connector Type (End B)

L = LC Duplex

P = LC Uniboot Push Pull

B = LC/APC Duplex (SM)

9 = LC/APC Uniboot Push Pull (SM)

8 – Construction/Performance

Q = 4 to 1 / U2 - Std. IL (SM)

V = 4 to 1 / U2 - Opt. IL

U = 4 to 1 / U2 - Ultra IL (MM)

1 = 4 to 1 / U - Std. IL (SM)

2 = 4 to 1 / U - Opt. IL

3 = 4 to 1 / U - Ultra IL (MM)

9 – 11 – Serial (see below)

12 – Unit of Measure

F = Feet

M = Meters

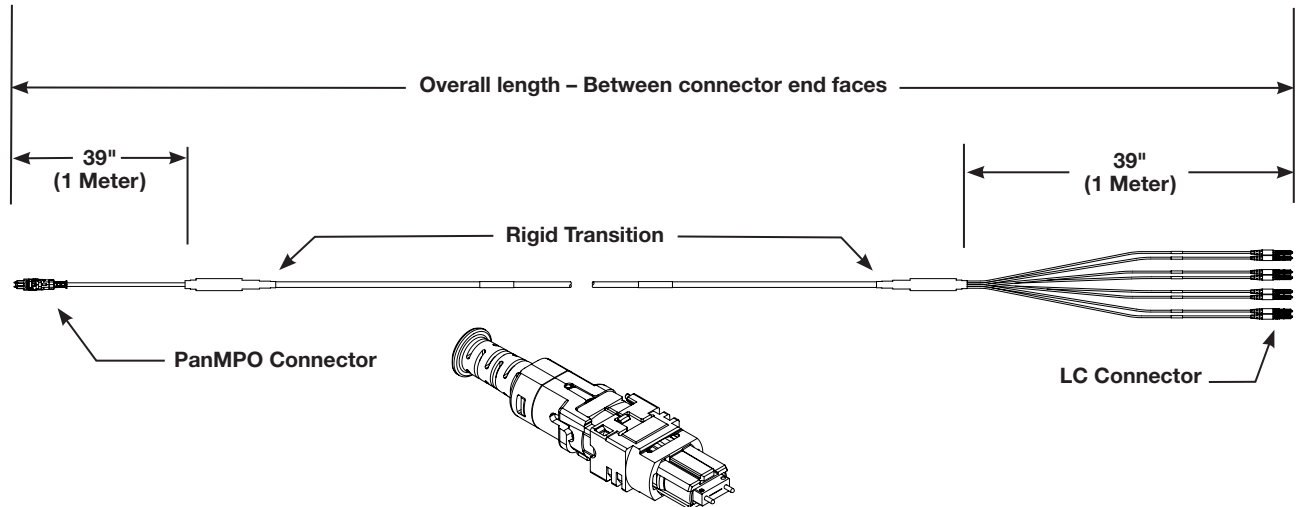
13, 14, 15 – Cable Assembly Length

015 – 999 Feet

005 – 999 Meters

Serial	Transition	Pulling Eye
015	Standard	Yes
016	Standard	No

small diameter trunk cable assembly detail



Dimensions are in inches. (Dimensions in parenthesis are metric).

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