

technical information

SFQ trunk cable assemblies are available in high density SFQ and LC SFQ versions. The high density SFQ trunk cabling is ideal for SAN applications delivering high reliability and scalability in a cost effective design. MPO SFQ cassettes achieve up to 96 fiber connections in one cassette, providing up to 768 fiber connections in 1 RU with superior cable access and management capabilities.

The LC SFQ Trunk Cabling is ideal for high density network applications delivering high reliability and scalability in a cost effective design. Providing quick and easy deployment, the system consists of pre-terminated LC cassettes, cable assemblies, and enclosures. The system components work together to achieve up to 96 fiber connectors in a single rack space with superior cable access and management capabilities. SFQ trunk cable assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity.



application

Complex SAN applications that require lower insertion loss and fewer failure points.

construction

Cable type:	Indoor Trunk Cable	
Cable jacket ratings:	Optical Fiber Nonconductive Plenum (OFNP) Low Smoke Zero Halogen (LSZH)	
Fiber types:	Singlemode:	OS1/OS2 9/125um
	Multimode:	OM3 50/125um OM4 50/125um
Connector types end 'A':	LC cassettes, MPO female or male cassettes	
Fiber count:	12-fiber = LC SFQ cassette 48-fiber = MPO SFQ cassette 72-fiber = MPO SFQ cassette 96-fiber = MPO SFQ cassette	
Jacket color:	OS1/OS2	Yellow
	OM3	Aqua
	OM4	Aqua
Connector types, end 'B':	LC cassettes, MPO female or male cassettes	

physical properties

Cable outside diameter (OD):	9mm to 10mm
Minimum bend radius:	Under load: 20 X Cable OD Static: 10 X Cable OD
Cable compressive load:	220N/cm short term 110N/cm long term
Cable flex:	100 cycles
Connector durability:	500 mating cycles
Cassette outside diameter:	106mm x 22mm
Cable tensile strength (installed):	1335N
Cable twist:	10 cycles

optical properties

Maximum cable attenuation:	Singlemode: 1.0dB/km at 1310/1550nm Multimode: 3.5dB/km at 850 nm 1.5dB/km at 1300nm
Maximum connector insertion loss:	Singlemode LC cassette to cassette: 0.70dB + cable attenuation Singlemode MPO cassette to cassette: 1.50dB + cable attenuation Multimode LC cassette to cassette: 0.50dB + cable attenuation Multimode MPO cassette to cassette: 1.00dB + cable attenuation
Minimum connector return loss:	Singlemode: OS1/OS2 55dB minimum Multimode: OM3 26dB minimum OM4 26dB minimum

environmental properties

Storage and shipping temperature:	-40°C to +70°C
Installation temperature:	0°C to +70°C
Operating temperature	-20°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, TIA-604-3 (FOCIS 3), TIA/EIA-604010 (FOCIS 10), RoHS complaint

QuickNet™ SFQ Trunk Cable Assemblies

part number

Example: FXTSPXNXNANM030 = Fiber, OM3, 12 fiber, indoor trunk, plenum, LC cassette to LC cassette, std. IL 30 meters.

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EXAMPLE	F	X	T	S	P	X	N	X	N	S	N	M	0	3	0

1 – Fiber Product

F = Fiber

2 – Fiber Type

9 = OS1/OS2 9/125µm

X = OM3 50/125µm

Z = OM4 50/125µm

3 – Fiber Count

T = 12 fibers

W = 48 fibers

X = 72-fiber

Y = 96 fibers

4 – Cable Type

S = Indoor Trunk

5 – Jacket Type

L = LSZH (Low Smoke Zero

Halogen-IEC 60332)

P = OFNP (Plenum per NFPA262)

6 – Connector Type (end A)

V = MPO female cassette
(48, 72, 96 Fibers)

X = LC cassette (12 Fibers Only)

Y = MPO male cassette
(48, 72, 96 Fibers)

7 – Connector Variant (end A)

N = No variant (cassettes)

8 – Connector Type (end B)

V = MPO female cassette
(48, 72, 96 Fibers)

X = LC cassette (12 Fibers Only)

Y = MPO male cassette
(48, 72, 96 Fibers)

9 – Connector Variant (end B)

N = No variant (cassettes)

10 – Construction/Performance

A = Polarity A – standard IL
(MPO only)

S = Standard Polarity – standard IL
(MPO-Discrete),
(Discrete-Discrete)

11 – Other

N = No pulling eye

12 – Unit of Length

F = Feet

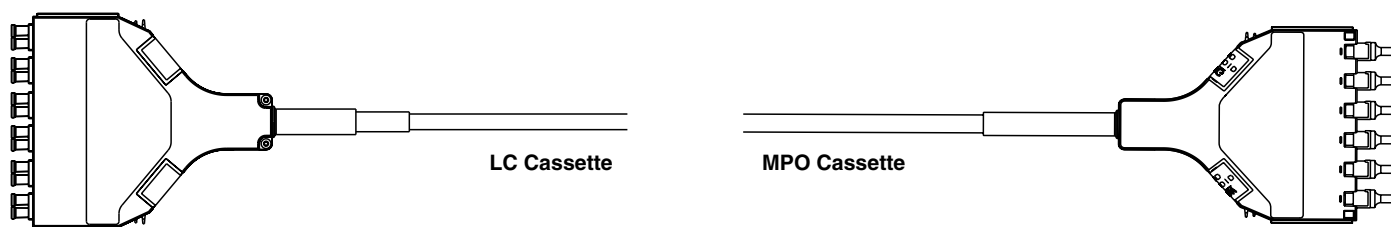
M = Meters

13, 14, 15 – Length

F = 015-100

M = 005-030

cable assembly detail



*Other options are available as follows:

Fiber Types: OM1 62.5/125, OM2 50/125, OM4+ 50/125 Signature Core™

Fiber Count: 8 fibers (LC connector only)

Construction/Performance: Polarity B –standard IL, Polarity A-optimum IL, Polarity B-optimized IL

Connector Type: MPO male connector, MPO female connector, SC duplex connector

Please contact Panduit customer service for information.

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