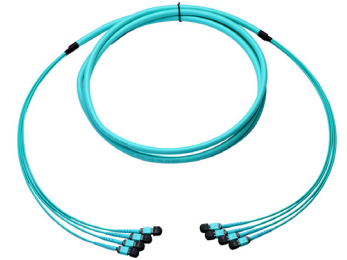


MPO-MPO Multi-stranded Trunk Cable



Features & Benefits

- Fiber-count 48 to 144 fibers
- Fast installation in 'zone applications'
- Bend-insensitive/bend optimized fibers
- Plenum (OFNP / FT6), LSZH Riser OFNR (FT-4-ST1)
- OS2, OM3 and OM4 performance types
- Colored outer-jacket to denote performance
- Ultra-low loss connector performance
- Suitable for routing in trays, racks and under raised floors
- Colored jacket for easy identification
- Compact 3mm strands for easy routing within racks and panels



Overview

PPC trunk cables provide the backbone connection between UHD chassis and modules in the central office. Single stranded trunks offer a high degree of flexibility and scalability and we offer these cables either with a single outer-jacket or with a secondary jacket, which provide a higher degree of protection.

PPC multi-stranded trunks provide an extremely fast and space-efficient solution for users who wish to deploy many fibers in a single cable rather than multiple single-stranded cables. Multi-stranded trunks are suitable for zone distribution applications such as EoR or MoR applications.

Multi-stranded cables offer a higher degree of protection within cable trays and basket, but also maintain a high degree of cable flexibility within racks and panels due to the compact 3mm sub-strands.

Technical Data

Mechanical Data

Specification	Unit	Value			
		48F	72F	96F	144F
Design		4 x 12	6 x 12	8 x 12	12 x 12
Sub-unit	mm	3.0mm ± 0.1	3.0mm ± 0.1	3.0mm ± 0.1	3.0mm ± 0.1
Sub-unit sheath thickness	mm	0.5	0.5	0.5	0.5
Outer sheath thickness	mm	1.4 nominal	1.4 nominal	1.4 nominal	1.4 nominal
Cable outer diameter	mm	10.3 ± 0.5	12.2 ± 0.5	14.1 ± 0.5	18.1 ± 0.5
Max. installation tension	N	660			
Max. operation tension	N	200			
Min. bending radius without tension	mm	10 x cable ø			
Min. bending radius under maximum tension	mm	20 x cable ø			

Optical Data

Specification	Value	
Fiber category	OS2 - 9/125 bend insensitive	OM3/4 bend-optimized
Trunk IL (Low Loss)	Single-mode OS2 ≤1.5dB	Multi-mode OM3/OM4 ≤0.70dB
Trunk IL (Ultra Low Loss)	Single-mode OS2 ≤0.70dB	Multi-mode OM3/OM4 ≤0.50dB
Trunk RL	Single-mode OS2 UPC ≥ 50dB Multi-mode OM3/OM4 ≥ 30dB	Single-mode OS2 APC ≥ 60dB

This product may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents

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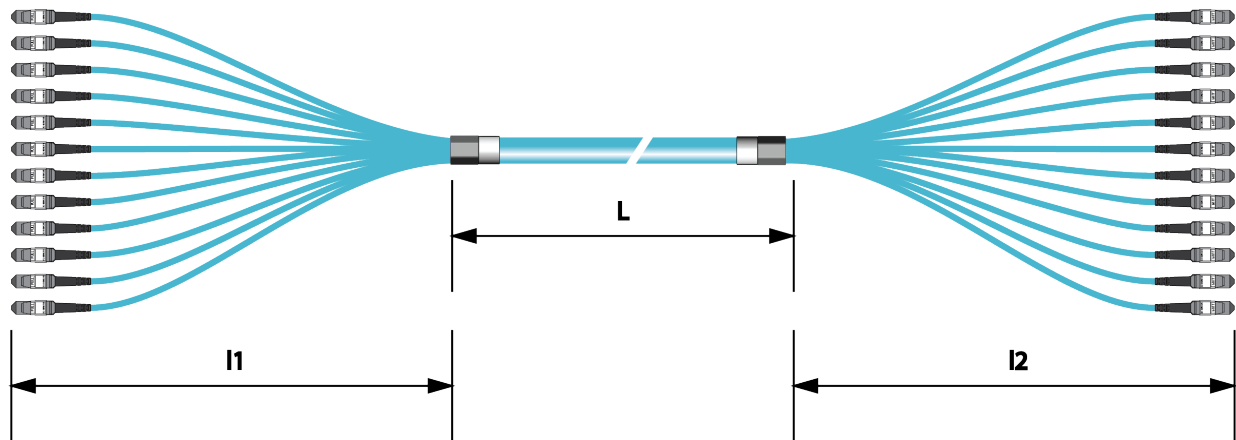


Technical Data

Environmental Data

Specification	Value
Operating temperature	-10 °C to 70 °C (14 °F to 158 °F)
Free of halogen	yes
2011/65/EC RoHS	Fully compliant

Technical Drawing



PPC trunk cables are supplied with staggered tails suitable for use with UHD chassis and modules.

We advise users to carefully calculate the tail length based on the position of the chassis inside the rack and the nearest available rack cable entry aperture. A minimum of 1 m tail is required for installations so that the outer jacket of the main cable can be fixed vertically in the side of the rack.

Different fan-out tail lengths are available on request.

MPO-MPO Multi-stranded Trunk Cable



Ordering Information

T

1 2 3 4 5 6 7 8 9 10 11

1. Type of furcation

A = Neoprene sleeve (no protection sleeve)
F = PG Gland (no protection sleeve)
G = PG Gland (incl. protection sleeve)

2. Qty of MPO (each side)

1 = 1 x MPO
2 = 2 x MPO
3 = 4 x MPO
4 = 6 x MPO
5 = 8 x MPO
6 = 12 x MPO

3. MPO type side A (left side)

40 = MPO/MTP 12 fiber Female (no pins)
41 = MPO/MTP APC 12 fiber Female (no pins)
42 = MPO/MTP 12 fiber Male (pinned)
43 = MPO/MTP APC 12 fiber Male (pinned)

4. MPO performance side A (left side)

M = Multi-mode Elite (MPO)
S = Single-mode Standard (MPO)
T = Single-mode Elite (MPO)

5. MPO type side B (right side)

40 = MPO/MTP 12 fiber Female (no pins)
41 = MPO/MTP APC 12 fiber Female (no pins)
42 = MPO/MTP 12 fiber Male (pinned)
43 = MPO/MTP APC 12 fiber Male (pinned)

6. Cable type

L = Low Smoke Zero Halogen
P = Plenum rated
R = Riser rated

7. Cable construction

O = Over jacket

8. Polarity type

A = Type A
B = Type B
C = Type C

9. Tail length in cm (50 cm = 050)

05 = 0.5 m
10 = 1 m

10. Fiber type

Z = OS2 G657 (A.1) Plenum only
2 = OS2 G657 (A.2)
3 = Multi-mode OM3
4 = Multi-mode OM4

11. Total length in meters

015 = length 15 m