CORNING

CORE-Trunks EMEA

High-Density, Low-Congestion Cabling for Modern Data Centres

Solving Cabling Complexity at Scale

As data centres scale to support AI and high-performance computing, operators face the challenges of meeting tight deadlines, managing limited space, and deploying higher fibre counts. Corning CORE-Trunks are designed to simplify these demands, speed up deployments, and increase efficiency.

Optimise Space in Constrained Spaces

A compact, pre-grouped design reduces cable congestion and mis-porting, frees valuable rack space, and enables cleaner, more serviceable high-density environments.

Accelerate Deployments

Pre-measured fibre assemblies enable up to 4× faster deployment, accelerating installation and decommissioning by up to 83%, and help address labour constraints for faster time to revenue when scaling AI infrastructures.

Simplify Connectivity

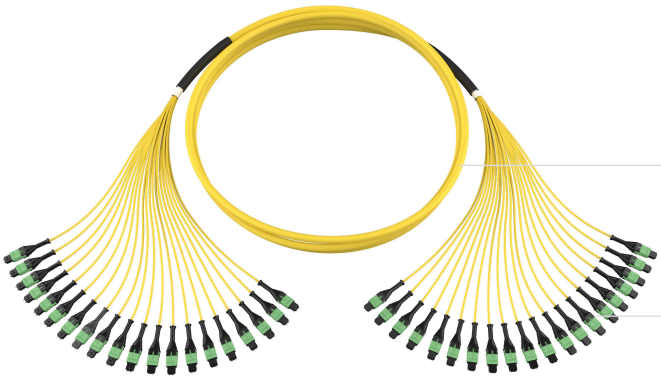
CORE-Trunks streamline point-to-point connections, reducing complexity and facilitating easier routing in dense environments.

Customisable Designs

Tailored configurations support single-mode and multimode deployments with uniform or staggered leg lengths, and labelling for predictable, streamlined installations.

Lightweight Mesh Pulling Grip

Reduces installation effort and offers protection during routing through tight pathways.



Cable Capabilities

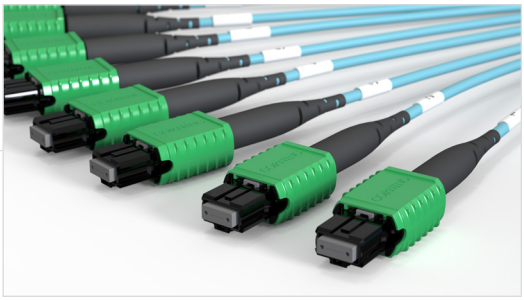
CORE-Trunks meet LSZH™ flame rating and are available in multimode and single-mode configurations.

Connector Configurations

Push-pull MPO connectivity.

Labelling Options

Standard white labels with leg numbering, other label options available.



Ordering Information

1	2	3	4	5	6		7		8	9	10		11	12
□	□□	□□	□□	□	EZ	-	□□□	-	□	□□□	M	- L	□	□

1 Select pulling grip.
G = Grip on first end only
D = Grip on both ends
Z = No grip

2 Select MPO connector on first end (end one on outside of reel).
EB = MPO 8F (non-pinned) multimode
ED = MPO 8F (non-pinned) multimode APC
EF = MTP 8F (non-pinned) single-mode APC

3 Select MPO connector on second end.
EB = MPO 8F (non-pinned) multimode
ED = MPO 8F (non-pinned) multimode APC
EF = MPO 8F (non-pinned) single-mode APC

4 Select fibre count.

08 = 8 fibres	96 = 96 fibres
16 = 16 fibres	C8 = 128 fibres
24 = 24 fibres	E4 = 144 fibres
32 = 32 fibres	K2 = 192 fibres
48 = 48 fibres	R6 = 256 fibres
64 = 64 fibres	U8 = 288 fibres
72 = 72 fibres	

5 Select fibre type.
G = Single-mode Ultra (OS2)
Q = 50 µm multimode (OM4)

6 Determines cable type.
EZ = Distribution subunit cable, LSZH™

7 Select leg lengths.
057 = 2.7 m, uniform legs
058 = 2.7 m, harness (MPO 8F – 2x MPO 4F)
XXX = Customised leg lengths upon request

8 Select polarity.
P = Straight (Type-A)
U = Universal (Type-B)

9 Select cable length.
002-500 metres

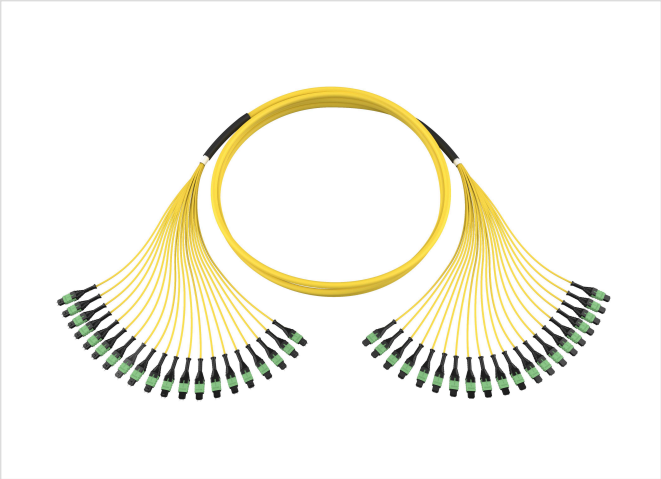
(1 m increments measured from furcation to furcation plug)

10 Defines unit of measure.
M = metres

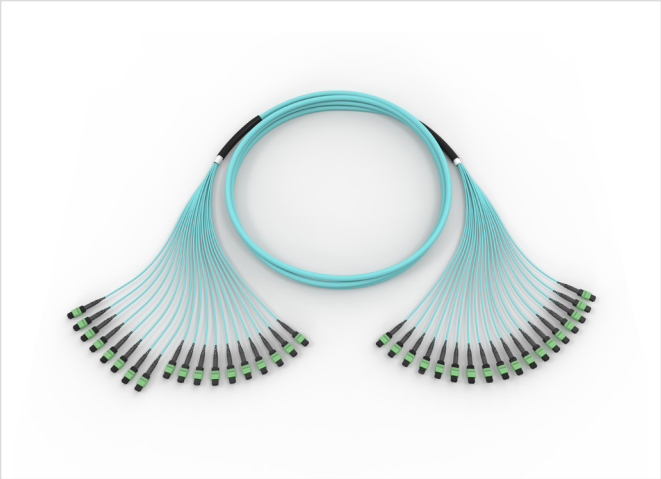
11 12 Suffix only used to indicate position (legs, cable, box/reel, or combinations) and type of custom label if required.

(White labels with numbers on each leg are part of the standard offering.)

Note: Additional connector configurations and customised labelling are available upon request, please contact Corning Customer Operations at 00800 2676 4641 or cc.emea@corning.com.



CORE-Trunk, uniform leg lengths



CORE-Trunk, staggered leg lengths

CORE-Trunks Specifications

Mechanical Characteristics						
Fibre Count	Nominal Outer Diameter	Weight	Minimum Bend Radius - Installation	Minimum Bend Radius - Operation	Crush Resistance (reversible)	Maximum Tensile Strength
8	4.5 mm	20 kg/km	45 mm	45 mm	1000 N/10 cm	450 N
16	7.2 mm	43 kg/km	72 mm	72 mm	1000 N/10 cm	450 N
24	7.2 mm	43 kg/km	72 mm	72 mm	1000 N/10 cm	450 N
32	8.3 mm	62 kg/km	83 mm	83 mm	1000 N/10 cm	450 N
48	8.3 mm	62 kg/km	83 mm	83 mm	1000 N/10 cm	660 N
64	11.3 mm	94 kg/km	113 mm	113 mm	1000 N/10 cm	660 N
72	11.3 mm	94 kg/km	113 mm	113 mm	1000 N/10 cm	660 N
96	11.3 mm	94 kg/km	113 mm	113 mm	1000 N/10 cm	660 N
128	12.9 mm	136 kg/km	129 mm	129 mm	1000 N/10 cm	660 N
144	13.5 mm	143 kg/km	135 mm	135 mm	1000 N/10 cm	660 N
192	15.2 mm	186 kg/km	152 mm	152 mm	1000 N/10 cm	660 N
256	16.9 mm	218 kg/km	169 mm	169 mm	1000 N/10 cm	660 N
288	17.6 mm	239 kg/km	176 mm	176 mm	1000 N/10 cm	660 N

Optical Performance

Multimode				
Trunk	Reflectance Connector A	Reflectance Connector B	Maximum Insertion Loss Connector A	Maximum Insertion Loss Connector B
MPO - MPO	≤ -20 dB	≤ -20 dB	≤ -0.25 dB	≤ -0.25 dB

Single-mode				
Trunk	Reflectance Connector A	Reflectance Connector B	Maximum Insertion Loss Connector A	Maximum Insertion Loss Connector B
MPO - MPO	≤ -65 dB	≤ -65 dB	≤ -0.35 dB	≤ -0.35 dB

Connector insertion-loss values are for reference as Corning tests the complete trunk including both MPO connectors.

CORE-Trunks Shipping Information

Packaging method	Cardboard Box	Reel AA	Reel A	Reel B	Reel C	Reel W1 XMD	Reel W1	Reel W2	Reel W3	Reel MP-3	Reel W5
Reel Flange (mm)	-	496	496	496	496	780	780	780	1150	1150	1400
Reel Core (mm)	-	302	302	302	302	650	450	450	600	350	1000
Reel Width (mm)	-	100	178	305	457	110	180	360	350	800	500
Fibre Count	**No Pulling Grip Option - Z (m)**										
8	2-30	30.5-330	330.5-500	-	-	-	-	-	-	-	-
16	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
24	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
32	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
48	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
64	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
72	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
96	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
128	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
144	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
192	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
256	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
288	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
Fibre Count	**One Side Pulling Grip Option - G (m)**										
8	2-30	30.5-330	330.5-500	-	-	-	-	-	-	-	-
16	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
24	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
32	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
48	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
64	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
72	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
96	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
128	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
144	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
192	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
256	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
288	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
Fibre Count	**Both Sides Pulling Grip Option - D (m)**										
8	2-30	30.5-330	330.5-500	-	-	-	-	-	-	-	-
16	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
24	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
32	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
48	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
64	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
72	2-30	30.5-70	70.5-200	200.5-300	300.5-500	-	-	-	-	-	-
96	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
128	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
144	2-30	-	-	-	-	30.5-45	45.5-150	150.5-320	320.5-500	-	-
192	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
256	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500
288	2-30	-	-	-	-	-	-	30.5-170	-	170.5-270	270.5-500

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