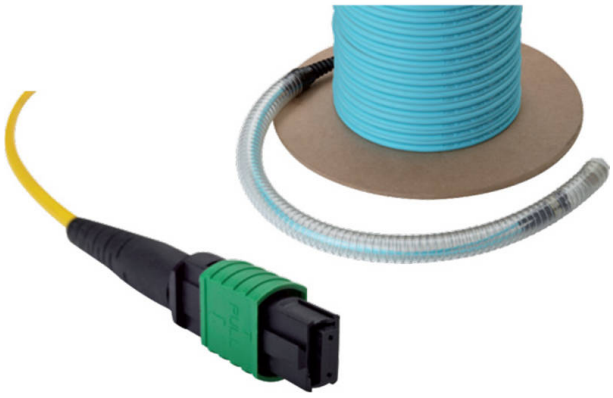
Excel Enbeam OS2 12 Core MTP Trunk Cable 25 m

Item Code: 208-OS2-12C-MTP-025



- US Conec MTP Elite connectors
- Very Low Loss
- Standard Method B Pinned (Male) Connectors
- Single mode Angled Connectors
- 100% Optically Tested
- Euroclass Cca-s1b-d0-a1
- 25 Year system warranty

Product Overview

The Enbeam MTP Elite® Trunk Cables offer pre-terminated optical fibre that is factory tested in a range of core counts. The trunk cable is manufactured with multiple, 12 core MTP Elite® connectors to give 12, 24, 36, 48, 72, 96 or 144 core cables.

The US Conec MTP Elite® connector has been chosen as the MPO (Multiple-Fibre Push-On/Pull-off) for superior performance with low loss properties. The MTP Elite® is the superior connector from the superior MPO manufacturer.

Each cable is tested in the factory and is supplied with the test certificate. Each end of the cable has the MTP Elite® connector(s) protected with a flexible hose.

Product Specifications

Feature	Values
Fibre type	Single mode
Category	OS2
Number of Cores	12
Cable type	Breakout
Length	25 m
Type of connector connection 1	MT/MPO
Type of connector connection 2	MT/MPO

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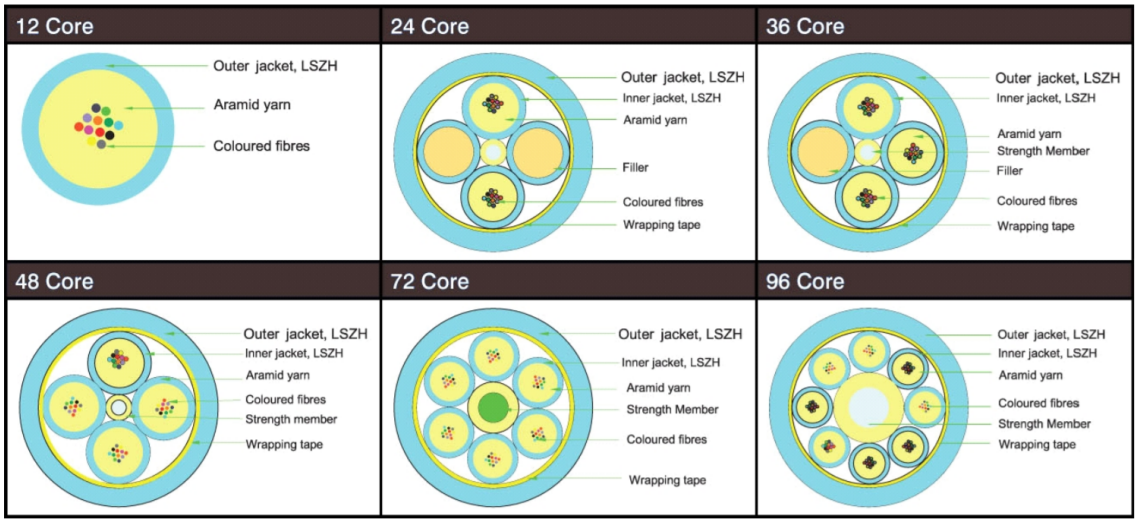
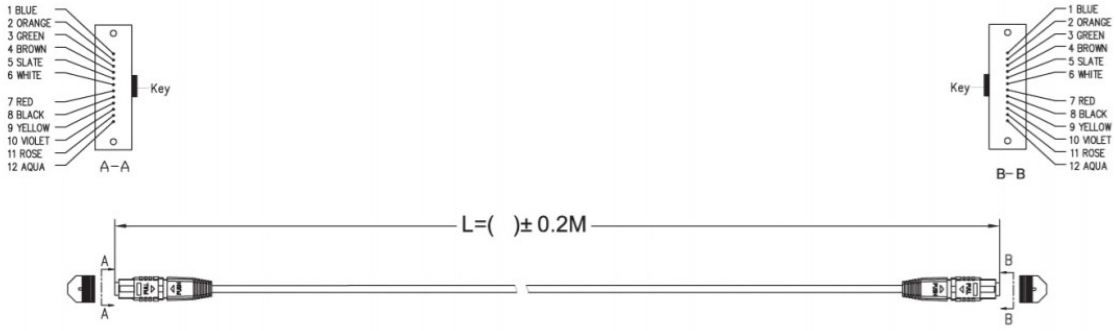
Outer sheath colour	Yellow
Flame retardant according to IEC 60332-1-2	yes
Low smoke (acc. IEC 61034-2)	yes

Cross-section diagram



Product drawing (12-Core MTP Trunk)



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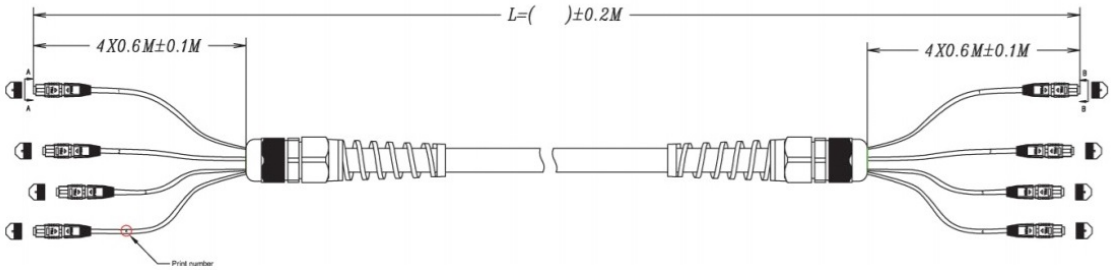
Product drawing (48-Core MTP Trunk)



Cable specifications

Fibres	12	24	36	48	72	96
MTP	1	2	3	4	6	8
OD (mm)	3	9	9	9	11.2	13.5
Max. Pulling Tension (N)	80	160	160	200	300	300
Cable Weight (kg/km)	7.8	72	78	79	126	178
Min. Bend Radius (mm)	90	270	270	270	336	405

Cable specifications (continued)

Features	OS2	OM3	OM4
Cable colour	Yellow	Aqua	Heather Violet
Temperature range	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Strength Members	Aramid Yarn	Aramid Yarn	Aramid Yarn
Connector Material	Composite	Composite	Composite
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typical Insertion Loss (dB)	0.15	0.15	0.15

Standards

Applicable standard	Detail
BS EN 60332-1-2:2004+A11:2016	Tests on electric and optical fibre cables under fire conditions - Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame
IEC 60793-1-1:2022	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance
IEC 60793-2:2015	Optical fibres - Part 2: Product specifications - General
IEC 60793-2-10:2017	Sectional specification for A1 multimode fibres
IEC 60793-1-20:2014	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry
IEC 60793-1-21:2001	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry
IEC 60793-1-22:2001	Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement
IEC 60793-1-30:2010	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
IEC 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
ITU-T G.652:2016	Characteristics of a single-mode optical fibre and cable
ITU-T G.657:2016	Characteristics of a bending-loss insensitive single-mode optical fibre and cable
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
IEC 61754-2:1996	Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
IEC 61754-4:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family
IEC 61754-4-100:2015	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
IEC 61754-4-100:2015	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part

	4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
RoHS-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic Pollutants.

Part Number Table

Part Number	Description
208-OS2-12C-MTP-025	Excel Enbeam OS2 12 Core MTP Trunk Cable 25 m
208-OS2-12C-MTP-075	Enbeam OS2 12 Core MTP Trunk Cable - 75m
208-OS2-12C-MTP-100	Enbeam OS2 12 Core MTP Trunk Cable - 100m

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

Contact us at sales@excel-networking.com

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