

DCS breakout cable MTP, 12-144 fibres OM4

for interconnecting DCS modules



DCS breakout cable MTP, 12-144 fibres OM4

Description

Compact, metal-free cable construction with FR/LSOH cable sheath and 12 to 144 fibres.

OM4 versions available (Euroclass B2_{ca} on request).

Sticker labelling at both cable ends.

The length of individual cables ("legs") may be defined on the basis of a specific project (standard 0.75 m).

All individual cables are assembled using MTP® connectors with high-performance 12-fibre Elite® ferrules (MTP₈/MTP₂₄ available on request).

Standard connectivity methods can be type A or type C (other types available on request).

The cables are fitted at both ends with protective sleeves.

Application

OM4 MTP-on-MTP breakout cables are suitable for all high-performance applications with duplex and parallel optic signals in a data centre environment.

They are particularly used when installation requires sturdy, metal-free indoor cables that provide enhanced crush resistance.

For duplex applications, the pre-assembled connectors at either end of the cable are connected to the DCS modules.

The DCS breakout cables are assembled to a very high quality and guarantee optimum values for optical performance (IL/RL).

Construction

Outer sheath colour	heather violet
Outer sheath material	FR/LSZH

Optical Properties

Colour code	IEC 60304
Connector gender side A	Male (pinned)
Connector gender side B	Male (pinned)
Connector type side A	MTP
Connector type side B	MTP
Ferrule polishing connector A	Elite PC 0°
Ferrule polishing connector B	Elite PC 0°
Fibre type	G50/125 OM4
IL maximal, connector A	0.25 dB
IL maximal, connector B	0.25 dB
IL typical, connector A	0.15 dB
IL typical, connector B	0.15 dB
RL minimal, connector A	35 dB
RL minimal, connector B	35 dB
RL typical, connector A	45 dB
RL typical, connector B	45 dB

Mechanical properties

Housing colour connector A	magenta
Housing colour connector B	magenta

Scope of delivery

DCS breakout cable (FR/LSOH) with 12-144 fibres OM4.
High-performance connector assembly at either end with MTP Elite (male).
Sticker labelling at both cable ends.

Standards

MTP standard (IEC)	IEC 61754-7, IEC 61755-3-31, IEC 61755-3-32
Polarity standard	TIA-568-C.3 Type A,B,C
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
Flame Propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Flame Spread	IEC 60332-3-24
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2

Note

Insertion Loss (IL) is determined by the latest measurement methods under EFL multimode excitation conditions (EFL = Encircled Flux Launch) at 850 nm in accordance with IEC 61280-4-1.

Versions

<STEPTABLE O="STEP_PRODUCT_510958" OT="Product" TT="267772" VC="CTX_english" VO="267203" W="Approved" />

MTP® and MTP Elite® are registered trademarks of US Conec Ltd.