

HD-DCS Breakout cables MTP-MTP, 12-144 fibres OM4

for interconnecting HD-DCS modules



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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 0.55 m, max. 4.0 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 HD-DCS modules.

The HD-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

HD-DCS Breakout cables (FR/LSOH) with 12-144 fibres OM4.
 High-performance connector assembly at either end with MTP Elite (male).
 Sticker labelling at both cable ends.
 Test reports on all MTP connectors.

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

Material number	Product	Outer sheath colour	Number of Fibres	Outer sheath diameter [mm]	Minimum bending radius	Tensile load short term [N]	Tensile load continuous [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Number of connectors side A	Number of connectors side B	Number of fibres per connector A	Number of fibres per connector B	Weight [kg]	Packing unit
475000	HD-DCS Breakout cable 1x MTP - 1x MTP	heather violet	12	4.5	60	500	200	5,000	1,000	1	1	12	12	0.3 kg	by the metre
475001	HD-DCS Breakout cable 2x MTP - 2x MTP	heather violet	24	6.6	90	600	400	5,000	1,000	2	2	12	12	0.3 kg	by the metre
475002	HD-DCS Breakout cable 4x MTP - 4x MTP	heather violet	48	6.6	90	600	400	5,000	1,000	4	4	12	12	0.3 kg	by the metre
475004	HD-DCS Breakout cable 8x MTP - 8x MTP	heather violet	96	9.2	130	1,000	800	5,000	1,000	8	8	12	12	0.3 kg	by the metre
475005	HD-DCS Breakout cable 12x MTP - 12x MTP	heather violet	144	10.3	150	1,400	1,200	5,000	1,000	12	12	12	12	0.3 kg	by the metre
475010	HD-DCS Breakout cable 1x MTP - 1x MTP	heather violet	12	4.5	60	500	200	5,000	1,000	1	1	12	12	0.3 kg	by the metre
475011	HD-DCS Breakout cable 2x MTP - 2x MTP	heather violet	24	6.6	90	600	400	5,000	1,000	2	2	12	12	0.3 kg	by the metre



Material number	Product	Outer sheath colour	Number of Fibres	Outer sheath diameter [mm]	Minimum bending radius	Tensile load short term [N]	Tensile load continuous [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Number of connectors side A	Number of connectors side B	Number of fibres per connector A	Number of fibres per connector B	Weight [kg]	Packing unit
475012	HD-DCS Breakout cable 4x MTP - 4x MTP	heather violet	48	6.6	90	600	400	5,000	1,000	4	4	12	12	0.3 kg	by the metre
475014	HD-DCS Breakout cable 8x MTP - 8x MTP	heather violet	96	9.2	130	1,000	800	5,000	1,000	8	8	12	12	0.3 kg	by the metre
475015	HD-DCS Breakout cable 12x MTP - 12x MTP	heather violet	144	10.3	150	1,400	1,200	5,000	1,000	12	12	12	12	0.3 kg	by the metre

MTP* and MTP Elite* are registered brands of US Conec.

Subject to technical modification

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