

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

for interconnecting HD-DCS modules



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Description

Compact, metal-free cable construction with FR/LSZH cable sheath and 12 to 144 fibres. OM4 versions with Euroclass D_{ca} are available (Euroclass C_{ca} or B2_{ca} version available 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). The leg separation is effected with a divider housing. 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 Indoor 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 and rodent protection. For duplex applications, the pre-assembled connectors at either end of the cable are connected to the HD-DCS modules. The HD-DCS Indoor 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
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Mechanical properties

Housing colour connector A	magenta
Housing colour connector B	magenta

Scope of delivery

HD-DCS Indoor cables (FR/LS0H) 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]
474000	HD-DCS Indoor cable 1x MTP - 1x MTP	heather violet	12	5.9	120	3,000	1,000	4,000	1,200
474001	HD-DCS Indoor cable 2x MTP - 2x MTP	heather violet	24	9.9	200	8,000	4,100	4,000	1,200
474002	HD-DCS Indoor cable 4x MTP - 4x MTP	heather violet	48	9.9	200	8,000	4,100	4,000	1,200
474004	HD-DCS Indoor cable 8x MTP - 8x MTP	heather violet	96	12.9	255	8,000	4,100	4,000	1,200
474005	HD-DCS Indoor cable 12x MTP - 12x MTP	heather violet	144	15.8	320	8,000	4,100	4,000	1,200
474010	HD-DCS Indoor cable 1x MTP - 1x MTP	heather violet	12	5.9	120	3,000	1,000	4,000	1,200
474011	HD-DCS Indoor cable 2x MTP - 2x MTP	heather violet	24	9.9	200	8,000	4,100	4,000	1,200
474012	HD-DCS Indoor cable 4x MTP - 4x MTP	heather violet	48	9.9	200	8,000	4,100	4,000	1,200
474014	HD-DCS Indoor cable 8x MTP - 8x MTP	heather violet	96	12.9	255	8,000	4,100	4,000	1,200
474015	HD-DCS Indoor cable 12x MTP - 12x MTP	heather violet	144	15.8	320	8,000	4,100	4,000	1,200

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