

HD-DCS Fanout cables MTP-LCDU, 8 fibres OM4

for splitting 100G into 4x 25G or 40G into 4x 10G



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Description

Thin, very flexible fibre-optic fanout cable (round cable, Ø 2.0 mm) with 8 fibres.
 Low fire load due to its halogen-free flame-retardant LS0H sheath.
 OM4 versions are available with 2.5 m standard length (other lengths on request).
 Standard connectivity method can be type A or type C.
 Sticker labelling at both cable ends.
 Breakout separation is effected with a thin divider housing.
 The legs (Ø 2.0 mm) with LCD Uniboot (LCDU) plugs are numbered (1-4).
 The legs can be ordered graded in length or of equal length.
 Project-specific assemblies are available on request.

Application

OM4 MTP-on-LCDU fanout cables are suitable for all high-performance applications in a data centre environment.
 All well-known multimode and single-mode QSFP applications such as SR4, PSM4, PLR4 and FCp can be split into four duplex channels using this cable.
 The connectivity of this fanout cable splits one 4-channel parallel optic link into four duplex links (e.g. 100G into 4x 25G or 40G into 4x 10G).
 The fanout 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	Female (unpinned)
Connector type side A	MTP
Connector type side B	LCDU
Ferrule polishing connector A	Elite PC 0°
Ferrule polishing connector B	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 Fanout cables (FR/LS0H) with 8 fibres OM4.
 High-performance connector assembly with MTP Elite and LCD Uniboot Intelli-Cross Pro.
 All connectors incl. push-pull tabs.
 Sticker labelling at both cable ends.
 Test reports (IL/RL) on all connectors.

Standards

LC standard (IEC)	IEC 61754-20
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]	Length (m)	Number of connectors side A	Number of connectors side B	Number of fibres per connector A	Number of fibres per connector B	Gradation	Weight [kg]	Packing unit	Whip type
473750	HD-DCS Fanout cable 1x MTP - 4x LCDU, equal	heather violet	8	2.0	40	500	200	1,000	100	2.5	1	4	12	2	equal	0.14 kg	1 pc.	equal length
473751	HD-DCS Fanout cable 1x MTP - 4x LCDU, graded	heather violet	8	2.0	40	500	200	1,000	100	2.5	1	4	12	2	graded	0.14 kg	1 pc.	staggered length
473755	HD-DCS Fanout cable 1x MTP - 4x LCDU, equal	heather violet	8	2.0	40	500	200	1,000	100	2.5	1	4	12	2	equal	0.14 kg	1 pc.	equal length
473756	HD-DCS Fanout cable 1x MTP - 4x LCDU, graded	heather violet	8	2.0	40	500	200	1,000	100	2.5	1	4	12	2	graded	0.14 kg	1 pc.	staggered length

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