

DCS trunk cable, LCDU/PC - LCDU/PC, G50/125 OM4

for interconnecting DCS breakout modules



Description

Compact, metal-free cable construction with FR/LSOH cable sheath and 12 to 96 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 0.75 m).
The leg separation is effected with a divider housing.
All individual cables are assembled using LCDU Intelli-Cross® Pro.
Standard polarities are A to A or A to B.
The cables are fitted at both ends with protective sleeves.

Application

OM4 LCDU-on-LCDU trunk 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 DCS modules.
The DCS trunk cables are assembled to a very high quality and guarantee optimum values for optical performance (IL/RL).

General properties

Outer sheath colour	heather violet
Outer sheath material	FR/LSZH

Optical Properties

Fibre type	G50/125 OM4
Colour code	IEC 60304
Connector type side A	LCDU/PC
Ferrule polishing connector A	PC 0°
IL maximal, connector A	0.25 dB
IL typical, connector A	0.1 dB
RL minimal, connector A	35 dB
RL typical, connector A	40 dB
Connector type side B	LCDU/PC
Ferrule polishing connector B	PC 0°
IL maximal, connector B	0.25 dB
IL typical, connector B	0.1 dB
RL minimal, connector B	35 dB
RL typical, connector B	40 dB

Mechanical properties

Housing colour connector A	heather violet
Housing colour connector B	heather violet

Standards

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	Fibre type	Outer sheath material	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]
47406000ZY	DCS trunk cable 6x LCDU/PC - 6x LCDU/PC	heather violet	12	G50/125 OM4	FR/LSZH	5.9					
474060	DCS trunk cable 6x LCDU/PC - 6x LCDU/PC	heather violet	12	G50/125 OM4	FR/LSZH	5.9	120	3,000	1,000	4,000	1,200
47406200ZY	DCS trunk cable 12x LCDU/PC - 12x LCDU/PC	heather violet	24	G50/125 OM4	FR/LSZH	9.9					
474062	DCS trunk cable 12x LCDU/PC - 12x LCDU/PC	heather violet	24	G50/125 OM4	FR/LSZH	9.9	200	8,000	4,100	4,000	1,200
47406400ZY	DCS trunk cable 24x LCDU/PC - 24x LCDU/PC	heather violet	48	G50/125 OM4	FR/LSZH	9.9					
474064	DCS trunk cable 24x LCDU/PC - 24x LCDU/PC	heather violet	48	G50/125 OM4	FR/LSZH	9.9	200	8,000	4,100	4,000	1,200
47406600ZY	DCS trunk cable 48x LCDU/PC - 48x LCDU/PC	heather violet	96	G50/125 OM4	FR/LSZH	12.9					

Material number	Product	Outer sheath colour	Number of fibres	Fibre type	Outer sheath material	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]
47409000ZY	DCS trunk cable 6x LCDU/PC - 6x LCDU/PC	heather violet	12	G50/125 OM4	FR/LSZH	5.9					
47409200ZY	DCS trunk cable 12x LCDU/PC - 12x LCDU/PC	heather violet	24	G50/125 OM4	FR/LSZH	9.9					
47409400ZY	DCS trunk cable 24x LCDU/PC - 24x LCDU/PC	heather violet	48	G50/125 OM4	FR/LSZH	9.9					
47409600ZY	DCS trunk cable 48x LCDU/PC - 48x LCDU/PC	heather violet	96	G50/125 OM4	FR/LSZH	12.9					

Intelli-Cross® is a registered trademark of SEIKOH GIKEN Co., Ltd.

Subject to technical modification

As of 2022-06-10 08:26:52