Optical Distribution Frames

Micro-Distribution Breakout Cable (MDB)

TECHNICAL DATA

Description

Many network operators plan to expand their communications networks in order to provide a wide variety of services. This expansion is based on the idea of taking fibre optics, wherever possible, all the way to the customer. This means not only significantly increasing the percentage of communications networks using fibre optics, but also changing network topologies and cable termination components required to support these changes.

To ensure that the conversion of communications networks from copper to fibre optic technology is simple and cost-effective, solutions must be variable and space-saving.

As an extension to the optical distribution frame (ODF) portfolio, ADC KRONE offers micro-distribution breakout cable assemblies. Especially in the central office, these assemblies provide the opportunity to easily and efficiently establish fibre connections between the active and the passive equipment as a plug and play solution. Micro-distribution breakout cables are available with a large variety of optical connectors.

Features and Benefits

- Micro-distribution breakout cable with 12 fibres, with LC/SC/E2000/FC connectors
- Pre-configured plug and play solution
- Easy circuit identification through colour-coding in accordance with DIN / IEC 304 or TIA-598-B
- Integrated inscription space for on-site marking
- Ideal addition to the ODF with FAME® technology and PROFIL splice- and termination modules
- The cables' fanout bodies can fit into ADC KRONE retainer elements with no crimping or improper bend radii
- Rapid, cost-saving installation
- Available in a range of lengths

ADC KRONE

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Product Specifications

Fanout

Fanout lengths:	Minimum 0.5 m, maximum 3.0 m
Colour-fanout body:	Black
Colour-fanout cable:	Yellow / aqua (depends on fibre type)
Channel classification:	Colour-coded, according to DIN / IEC 304 or TIA-598-B
Material of body:	V-0, halogen free, polycarbonate
Minimum bend radius:	30 mm
Maximum operation pulling force of fanout:	1.8 mm cable > 100 N 0.9 mm buffered fibre > 5 N

Micro-Distribution Breakout Cable

Cable outer diameter:	2.5 mm
Material:	Halogen free/ low smoke/ flame retardant
Cable lengths:	Minimum 3 m, maximum 100 m
Fibre type:	According to ITU-T G652D / OM3 according to ISO/IEC 11801 (other fibre types upon request)
Environment:	RoHS- and WEEE compliant
Temperature range:	G652D: operation -10°C to +60°C / storage -10°C to +60°C OM3: operation 0°C to +50°C / storage -10°C to +60°C
Minimum bend radius:	30 mm
Maximum operation pulling force:	> 100 N (in connection with fanout body)
Compression:	50daN/dm
General scope of application:	Indoor, as standalone or in connection with retainer system (FAME splicing system)

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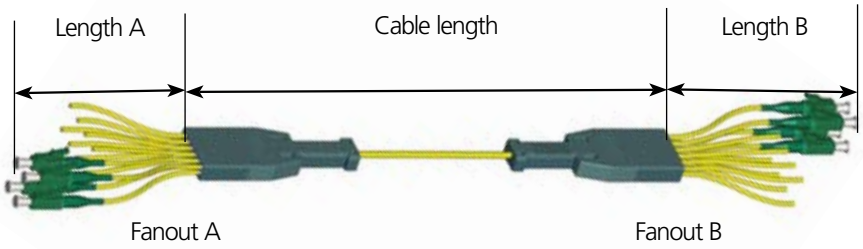

Catalog Number

MDB- _ _ _ _ _ _ _ _ _ _ _ _ _

Cable Type

D	Singlemode, G652.D
3	Multimode, 50/125 µm, OM3

Fiber Count

04	4 fibers
06	6 fibers
08	8 fibers
10	10 fibers
12	12 fibers

Fanout A

A	0.9mm
K	1.8mm

Connector A

K	LC/UPC
M	LC/APC
7	SC/UPC
E	SC/APC
V	E2000 APC
P	LC/PC
9	SC/PC
Z	SC/APC 9°
2	FC/UPC
3	FC/APC

Fanout A length

05	0.5m
10	1m
15	1.5m
20	2m
25	2.5m
30	3m

Color Code*

1	DIN
2	TIA598

Fanout B length

00	No fanout
05	0.5m
10	1m
15	1.5m
20	2m
25	2.5m
30	3m

Connector B

K	LC/UPC
M	LC/APC
7	SC/UPC
E	SC/APC
V	E2000 APC
P	LC/PC
9	SC/PC
Z	SC/APC 9°
2	FC/UPC
3	FC/APC
0	No connector

Fanout B

0	No fanout
A	0.9mm
K	1.8mm

Cable Length

03…99	3…99m

*Other color-codes are available, please contact ADC KRONE

TECHNICAL DATA

Web Site: www.adckrone.com

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200964BE Oct 09 Original