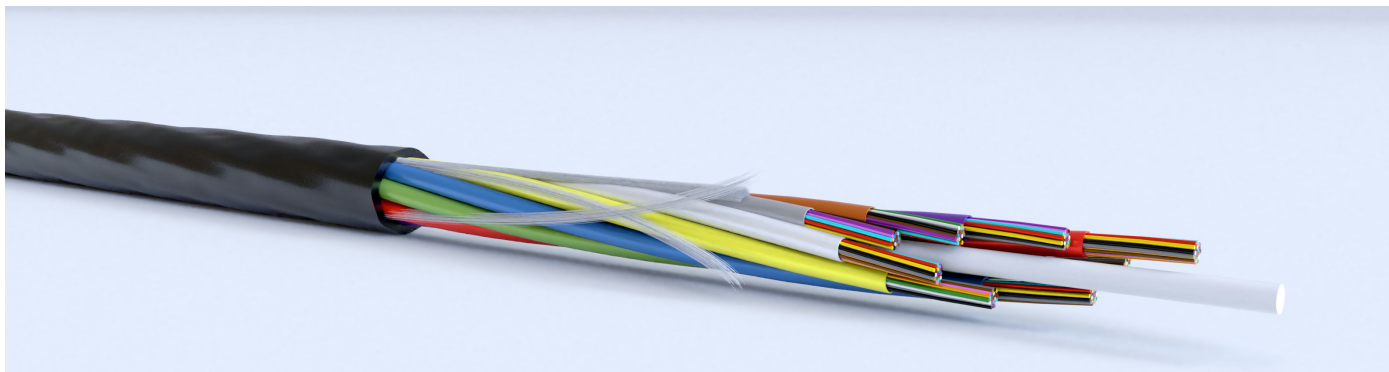


MCD1521-HD



High Density Outdoor Optical Cables for Microducts

From 144 to 288 fibres, 200 µm optical fibre, G.657.A1 or G.657.A2



Applications

ACOPTIC® is the range of ACOME's optical cables solutions for telecom networks.

MCD1521-HD cables are high-density Mini-Cables designed to be blown in Microducts installed for telecom networks (Transport and access networks).

MCD1521-HD is designed to be used with small µducts either on new installation or to upgrade existing installations.

This range of cables is blown on short and large distances, they have been tested on our own blowing track, but also by an independent third party (blowing test reports are available on request)

Benefits

Density: Up to 3 times more fibres in the same Microducts as classic micro-cables : up to 192 fibres with 8/10 mm Microducts, 288 fibres with 10/12 mm

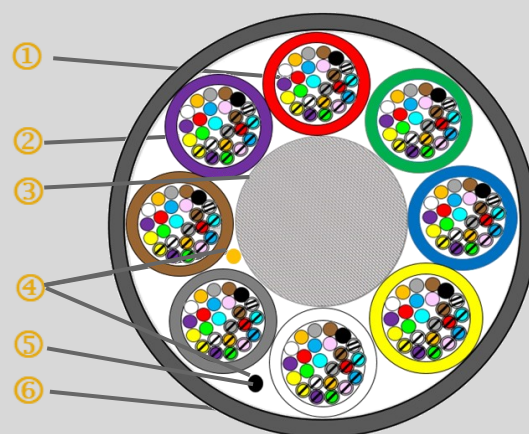
Convenient: ACOME's 200µm Optical fibre is fully compatible with G652D, G657A1 and G657A2

Efficiency: Together with the low friction sheath material HDPE, the shape of the cable offers reduced contact surface to its low friction sheath.

Standards

Fibres and cable:
IEC/EN 60793
IEC/EN 60794-1

Design



- ① Single Mode fibres with 200 µm diameter
- ② HD-Tube® with 24 fibres
- ③ Central strength member : rigid FRP
- ④ Watertightness: Dry water blocking elements
- ⑤ Rip Cord
- ⑥ Low friction outer jacket: HD Polyethylene

MCD1521-HD range description

Construction range	Capacity/ Fibre count	Modularity / Fibres per Tube	Nb of HD-Tubes	Cable Diameter	Minimum Inner Diameter of Microduct	P/N G.657.A1 200 µm	P/N G.657.A2 200 µm	Drum (for standard length)	Delivery length
Z1343	144 fibres	24 fibres	6	5,5 mm	ø 8 mm	H0516A	H0168A	D	4000 / 6000 m
Z1345	192 fibres	24 fibres	8	6,1 mm	ø 8 mm	H0517A	H0163B	D	4000 / 6000 m
Z1346	288 fibres	24 fibres	12	8,1 mm	ø 10 mm	H0518A	H0166A	D	4000 m

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MCD1521-HD



MCD1521-HD general features

Construction configuration	Z1343—144 fibres	Z1345—192 fibres	Z-1346—288 fibres
Nominal Cable Diameter (mm)	5,5	6,1	8,1
Tensile strength (N) - Reversible $\Delta\alpha$	Short term	1000	1200
	Long term	300	400
Maximum crush resistance (N/cm)	50	50	50
Minimum static bending Radius (mm)	110	120	160
Nominal weight (kg/km)	26	36	56
Temperatures	Transport & storage	-40°C/+70°C	-40°C/+70°C
	Installation	-10°C/+50°C	-10°C/+50°C
	Operation (1)	-30°C/+60°C	-30°C/+60°C
Marking (Inkjet with Pre Heating treatment)	Day Month Year — ACOME MCD1521HD—fibre qty x fibre type—M24/N + metric		

(1) = attenuation change during temperature cycling test $\leq 0,1$ dB (@1550nm)

Color code

Nb fiber / tube	1	2	3	4	5	6	7	8	9	10	11	12
DIN VDE0888	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink
fiber Nb from 13	13	14	15	16	17	18	19	20	21	22	23	24
VDE colors (except the 22th) + 1 black ring	Red + 1 ring	Green + 1 ring	Blue + 1 ring	Yellow + 1 ring	White + 1 ring	Grey + 1 ring	Brown + 1 ring	Violet + 1 ring	Turquoise + 1 ring	White + 2 rings	Orange + 1 ring	Pink + 1 ring

Extended MCD solutions for Microducts

GET THE BEST FROM YOUR MICRO-DUCTS

CLASSIC cables for Microducts

In certain situations classic still makes sense this is why you can rely on the range **MCD1510**



ENHANCED cables for Microducts

Blow 96 fibres in 10/8mm ducts or 144 fibres in 12/10 mm ducts thanks to the Range **MCD1520**



ACOME Ranges selection guide

μduct	12-72 f	96 f	144 f	192 f	288 f
Ø 8/12	MCD1510	MCD1520	MCD1521HD	MCD1521HD	N/A
Ø 10/14	MCD1510	MCD1520	MCD1520	MCD1521HD	MCD1521HD
Ø 12/16	UND1533	MCD1510	MCD1510	N/A	MCD1521HD

Storage, packaging & Installation

Cable protection on the drum

Cables are delivered with protective cover to be kept on until their installation

Guidelines access

Guidelines for storage, transportation & cable installation in our ACOPTIC guide

<http://www.acome.fr/en/The-Group/Library/Cable-Storage-Transport-and-Installation-Rules>



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