

# MCD1520



## Optical Fibre Mini Cable for Blowing into Micro-ducts

### Outdoor cable - Dielectric

From 12 to 288 fibres



### Applications

ACOPTIC® is the brand name for ACOME Groups optical fibre cable solutions for telecom networks.

MCD1520 cables are the **solution for micro-ducts** based outdoor backbones and access networks.

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.

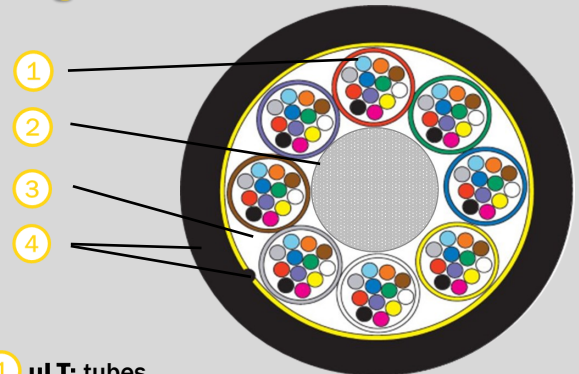
### Benefits

- Compliance with 10(12)/8mm micro-ducts (from 12 to 96F), 12(14)/10mm (for 144fo), 14(16)/12mm (for 288F)
- **Robust and compact design.**
- Very low friction sheath enabling **good blowing performance**
- **Versatility** of the available versions (fibre type, colour coding).

### Standards

IEC/EN 60793-1-1 (fibre)  
IEC/EN 60794-5-10 (cable)

### Design



- 1 **µLT: tubes** of 12 single mode fibres (G652D or G657A1, available on request in G.657.A2)
- 2 **Central strength member**
- 3 **Watertightness** : Water blocking yarns
- 4 **Low friction outer jacket** : Black High Density Polyethylene (HDPE) + Rip Cord

Example : 96f – 12 f per tube

### Storage, Packaging & Installation

#### Cable protection on the drum

Cables are delivered with a covering for protection until they are required for installation.

#### Guidelines access

Guidelines for storage, transportation & cable installation can be found in our [ACOPTIC® guide](#)



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## MCD1520 Technical Features

Fibre Count	Fibres per Tube	Nb of Tubes + dummy tubes	Nominal Cable Ø in mm	Minimum Inner Ø Duct Size in mm	Maximum Tensile Strength <sup>(1)</sup> (N)	Crush Resistance N/cm	Minimum Bending Radius (mm)	Nominal Weight (kg/km)	Part Number with G.652.D	Part Number with G.657.A1
12 f	12	1 + 5	5.8	8	700	50	120	25	H0438A	H0550A
24 f	12	2 + 4	5.8	8	800	50	120	26	H0439A	H0551A
36 f	12	3 + 3	5.8	8	800	50	120	27	H0440A	H0552A
48 f	12	4 + 2	5.8	8	800	50	120	28	H0441A	H0553A
60 f	12	5 + 1	5.8	8	800	50	120	29	H0442A	H0554A
72 f	12	6	5.8	8	800	50	120	31	H0443A	H0555A
96 f	12	8	5.8	8	1 000	50	120	35	H0445A	H0382A
144 f	12	12	7.6	10	1 200	50	160	50	H0446A	H0434A
288 f	12	24	9.0	12	1 500	50	180	70	H0486A	H0418B

(1) fibre elongation ≤ 0,6%

Temperature Performance	Transport & storage	-40°C/+70°C
	Installation	-10°C/+50°C
	Operation	-40°C/+70°C
Marking	Day Month Year of production - ACOME MCD1520 - Number and type of fibres - M12 - P/N - metrics	
Standard Delivery Drum Length	4000m / 6000m	

## Colour Code

Fibre/ Tube	1	2	3	4	5	6	7	8	9	10	11	12
DIN VDE0888 (except Tube N° 22)	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink
Tube	13	14	15	16	17	18	19	20	21	22	23	24
	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

## ACOME solutions for Micro-ducts at a glance MCD1520 in 250µm M12 or MCD1521 HD in 200 µm M24

### ACOME Ranges selection guide

Microduct Inner-Ø	12-72 F	96 F	144 F	192 F	288 F
Ø 8	MCD1520	MCD1520	MCD1521HD	MCD1521HD	N/A
Ø 10	MCD1520	MCD1520	MCD1520	MCD1521HD	MCD1521HD
Ø 12	MCD1520	MCD1520	MCD1520	MCD1521HD	MCD1520/1521 HD



For other requirements (delivery length, colour code, additional technical information, etc. ), please contact us.



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