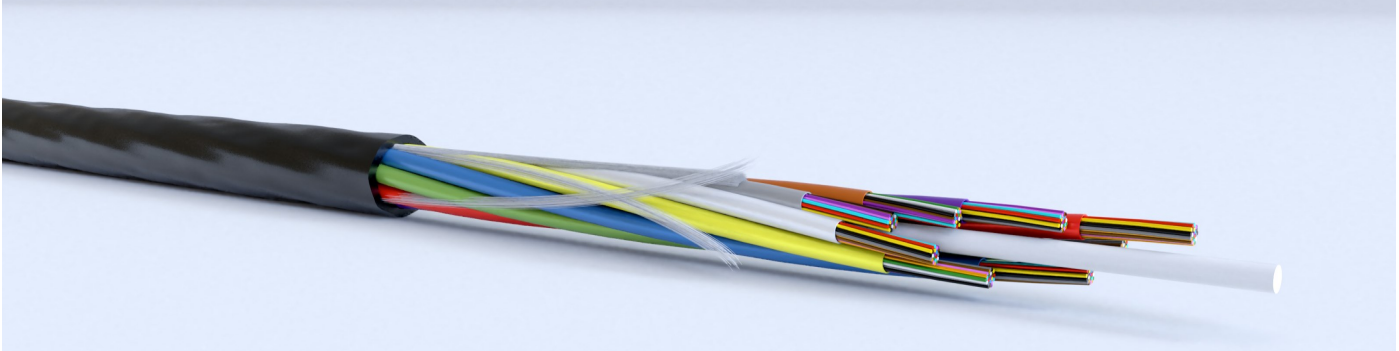


# MCD1521-HD



## High Density Optical Fibre Mini Cable for blowing into microducts Outdoor cable - Dielectric

From 144 to 576 fibres



### Applications

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

The MCD1521-HD range is **high-density Mini-Cables** designed to be blown into Microducts installed for telecom networks (Transport and access networks).

The MCD1521-HD is **designed to be used with small microducts** 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

### Benefits

- **Density:** Up to **2 times more fibres in the same microducts** as classic micro-cables :
  - up to 192 fibres with 8/10 mm Microducts
  - up to 288 fibres with 10/12 mm Microducts
  - up to 576 fibres with 12/14 mm Microducts
- **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

IEC/EN 60793 (fibre)  
IEC/EN 60 794-5-10 (cable)

### Storage, packaging & installation

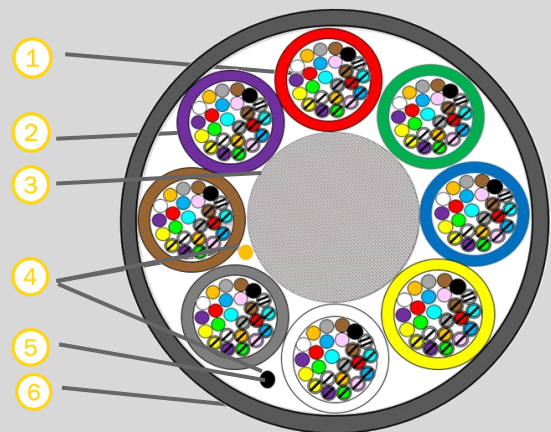
#### Cable protection on the drum

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](#)

### 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



## MCD1521 Technical Information

Fibre Count	Fibres per Tube	Nb of Tubes	Nominal Cable Ø in mm	Minimum Inner Ø Duct Size in mm	Maximum Tensile Strength (1) (N)	Crush Resistance N/cm	Minimum Bending radius (mm)	Nominal Weight (kg/km)	Part Number G.657.A1 200 µm	Part Number G.657.A2 200 µm
144f	24	6	5.5	8	1000	50	110	26	H0516A	H0168A
192 f	24	8	6.1	8	1200	50	120	36	H0517A	H0163B
216 f	24	9	6.7	10	1300	50	135	43	H0638B	-
288 f	24	12	8.1	10	1500	50	160	56	H0518A	H0166A
432 f	24	18	8.5	10	1200	50	170	60	H0656A	-
576 f	24	24	9.8	12	1750	50	200	86	H0657A	-

(1) fibre elongation ≤ 0,6%

Temperature Performance	Transport & storage	-40°C/+70°C
	Installation	-10°C/+50°C
	Operation	-30°C/+60°C
Marking	Day Month Year – ACOME MCD1521HD – fibre qty x fibre type – M24 – P/N – metric	
Standard Delivery Drum Length	4000m / 6000m	

## Colour code

Fibre / Tube number	1	2	3	4	5	6	7	8	9	10	11	12
DIN VDE0888 * (except for fibre n°22)	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink
Fibre number	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	Natural + 1 ring	Orange + 1 ring	Pink + 1 ring

\*\*Fibre 22 : Natural + 1 ring or white fibre with 2 rings

## ACOME solutions for Microducts at a glance

### ACOME Ranges selection guide

Microduct Inner-Ø	12-72 f	96 f	144f	192 f	216 f	288 F	432 f	576 f
Ø 8	MCD1520	MCD1520	MCD1521HD	MCD1521HD	-	-	-	-
Ø 10	MCD1520	MCD1520	MCD1520	MCD1521HD	MCD1521HD	MCD1521HD	MCD1521HD	-
Ø 12	MCD1520	MCD1520	MCD1520	MCD1521HD	MCD1521HD	MCD1520 MCD1521HD	MCD1521HD	MCD1521HD

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