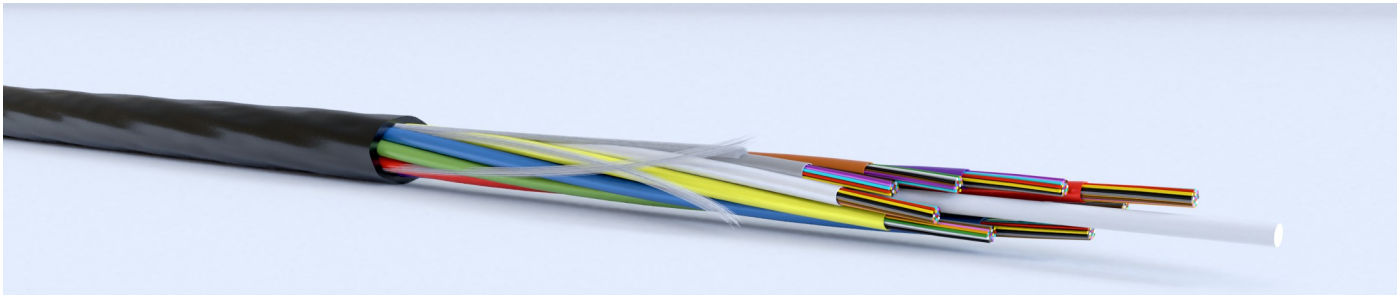
MCD1522-HD

High Density Optical Fibre Mini Cable for blowing into microducts with 12 fibre / tubes

Outdoor cable - Dielectric

From 12 to 288 fibres



Applications

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

The MCD1522-HD range is **high-density Mini-Cables** designed to be blown into Microducts installed for telecom networks (Transport and access networks).

The MCD1522-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.

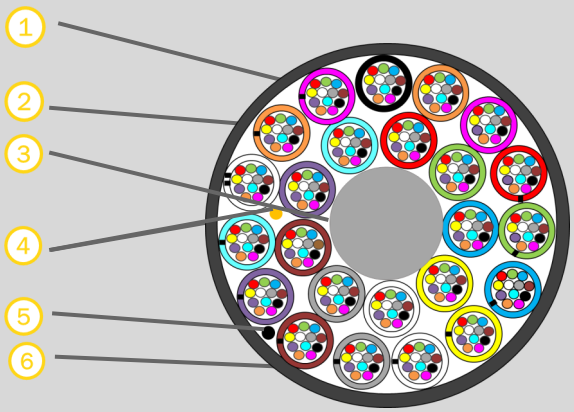
Benefits

- **Density:**
  - up to 288 fibres into 10mm ID 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)

Design



1. **Single Mode fibres with 200 µm diameter**
2. **HD-Tube®** with 12 fibres
3. **Central strength member :** rigid FRP
4. **Watertightness:** Dry water blocking elements
5. Rip Cord
6. **Low friction outer jacket:** HD Polyethylene

Example : 288f — 12f 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

Cable Implementation sheet available under APC MCD Micro-Loose Tube



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52 rue du Montparnasse 75014 Paris - France - T. +33 1 42 79 14 00
www.acome.com

MCD1522-HD

MCD1522 Technical Information

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 (1) (N)	Crush Resistance N/dm	Minimum Bending radius (mm)	Nominal Weight (kg/km)	Part Number	Carbon Foot-print (2) in (kgCO_2eq/ km cable)
12f	12	1+5	4.2	6	600	500	80	16	H0621B	n/a
24f	12	2+4	4.2	6	600	500	80	16	H0622B	n/a
36f	12	3+3	4.2	6	600	500	80	16	H0623B	n/a
48f	12	4+2	4.2	6	600	500	80	16	H0624B	177.62
60f	12	5+1	4.2	6	600	500	80	16	H0625B	n/a
72f	12	6	4.2	6	600	500	80	17	H0508B	n/a
96f	12	8	4.9	8	900	500	90	25	H0509B(3)	n/a
144f	12	12	6.4	8	900	500	130	37	H0933B(3)	478.05
288f	12	24	7.5	10	1200	500	150	54	H0917A	n/a

(1) fibre elongation ≤ 0,6%
(2) Total carbon footprint over the entire product life cycle, LCA carried out in accordance with the PEP framework (PCR/PSR-0001 ed.4) and the cable-specific rules defined in IEC TR 62839-1:2025 – please contact our teams for further information.
(3) For this item specific lead-time may apply

Temperature Performance	Transport & storage	-40°C/+70°C
	Installation	-10°C/+50°C
	Operation	-30°C/+60°C
Marking		Day Month Year Hour - ACOME MCD1522HD - fibre qty x fibre type - M12 - 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	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink

ACOME selection guide for Microducts

MCD1520 : 12f 250µm / tube
MCD1521-HD : 24f 200µm / tube
MCD1522-HD : 12f 200µm / tube

Microduct Inner-Ø	12-72f	96f	144f	192f	216f	288f	432f	576f
Ø 6	**MCD1522-HD**							
Ø 8	MCD1520	MCD1520 **MCD1522-HD**	MCD1521-HD **MCD1522-HD**	MCD1521HD				
Ø 10	MCD1520	MCD1520	MCD1520 MCD1521-HD **MCD1522-HD**	MCD1520 MCD1521-HD	MCD1520 MCD1521-HD	MCD1521-HD **MCD1522-HD**	MCD1521-HD	
Ø 12			MCD1520	MCD1520	MCD1520	MCD1520 MCD1521-HD **MCD1522-HD**	MCD1521-HD	MCD1521-HD

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

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