

# EUROLAN Microcable

## Singlemode 1,8mm G657 A1



### Ordering information

Part number	E-number	Description
39M-S3-18-002-BL	4963807	EuroLAN Microcable 2x9/125 1,8mm black
39M-S3-18-004-BL	4963817	EuroLAN Microcable 2x9/125 1,8mm black

### Configuration

No of fibers		2	4
Design		Central tube	
Cable diameter	Mm	1,8	
Cable weight	Kg/km	3	

### Application

Suggested innerduct Ø	3,0 mm
Temperature range	Transportation and storage: -40°C to +70°C Installation: -20°C to +40°C Operation: -20°C to +60°C
Min. Bending Radius (mm)	Under max. tension: 25 x Outer Ø

- ✓ **Application:**  
For blowing in micro-ducts of 3.5mm in inner dimensions
- ✓ Glass G657 A2
- ✓ **Standards:** DIN IEC 60794 -5
- ✓ **Core:** Up to 4 fibres, embedded in gel
- ✓ **Outer sheat:** Low shrinkage high performance plastic, UV stable.

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### Mechanical and environmental characteristics

Test	Test standard	Specified value	Acceptance criteria
Max. tension, long term	IEC-60794-1-2-E1	15N	≤ 0,05 dB, fiber strain 0,33 %
Max. tension, short term	IEC-60794-1-2-E1	45N	Reversible
Crush	IEC-60794-1-2-E3	300N/100mm, max 15min	No damage
Impact	IEC-60794-1-2-E4	0,5 Nm, 3 impacts. R=300mm	≤ 0,05dB after the last
Torsion	IEC-60794-1-2-E7	1 m, 10 N, +/- 180°, 5 cycles	≤ 0,05dB, no damage
Repeated bending	IEC-60794-1-2-E6	R= 25 x D, 10 N, 35 cycles	No damage
Cable Bend	IEC-60794-1-2-E11	R= 15 x D, 4 turns, 3 cycles	≤ 0,05dB, no damage
Temperature Cycling	IEC-60794-1-2-F1	- 20 C to + 60 C	≤ 0,1dB/km
Water penetration	IEC-60794-1-2-F5B	Sample=3m, water column=1m	No water leakage in 24h

Fiber colour code:

Blue - Yellow - Red - White - Green - Violet - Orange - Grey - Aqua - Black - Brown - Pink