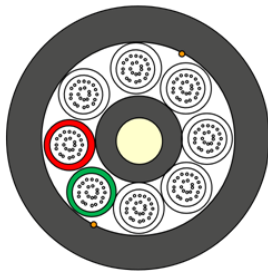


EUROLAN Microcable

Singlemode 192 x 200µm G657.A1



- not to scale -

Ordering information

Part number	E-number	Description
39M-S200-192-BL	4963697	EuroLAN Microcable 192x200 8,1 mm G657.A1

Specifications

Fiber count	192
No of tubes x no fibres/tube	8 x 24
Loose Tube/Filler Ø (mm)	1,9
CSM/sheat diameter (mm)	2,7 / 3,3
Sheat thickness (mm)	0,4
Colour	Black
Weight kg/km	56
Outer Ø (mm)	7,9
Max installation tension (N)	560
Temperature range (°C)	Installation -30 to +60 Transport and storage -40 to +70 Operation -30 to +70
Min bending radius (mm)	Without Tension 10 x Outer ø Under maximum Tension 20 x Outer ø

- ✓ **Application:**
For blowing in microducts.
- ✓ **Glass:** G657. A1
- ✓ **Outer sheat:** High density Polyethylene (HDPE) two ripcords beneath the sheath.
- ✓ **Standards:**
IEC/EN 60794-5-10
- ✓ **Central Strength member:**
Glass fibre reinforced plastic material (GRP) with or without over-sheathing.
- ✓ **Tube:** Thermoplastic material, containing 24 SM optical fibres and filled with a suitable water tightness compound.
- ✓ **Stranding:** The required number of elements (tubes or fillers) are SZ stranded around the CSM.
- ✓ **Longitudnal water tightness:** Dry core with water swellable elements.

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Main characteristics			
Test	Standard	Specified value	Acceptance criteria **
Max. tension at installation (short term)	IEC 60794-1-21-E1	1W	Fibre strain ≤ 0,6%, Δα reversible
Crush	IEC 60794-1-21-E3	1000N	Δα ≤ 0,05 dB, cable integrity
Impact	IEC 60794-1-21-E4	2 Nm, 3 impacts, R=300mm	Δα ≤ 0,05 dB
Repeated bending	IEC 60794-1-21-E6	R=10 x cable ø, 100N, 30 cycles	cable integrity
Torsion	IEC 60794-1-21-E7	100N, ± 360°, 10 cycles	Δα ≤ 0,05 dB, cable integrity
Kink	IEC 60794-1-21-E10	D=10 x cable ø	cable integrity
Cable bend	IEC 60794-1-21-E11	D=10 x cable ø	Δα ≤ 0,05 dB, cable integrity
Ageing	IEC 60794-1-2-F9	168 hours, 85°C	Δα ≤ 0,25dB/km; ≤ 0,15 dB/km ave.
Water Penetration	IEC 60794-1-2-F5B	Sample=3m, water column=1m	No water leakage after 24 hour

All optical measurements at 1550 nm

Fibre colors

No	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Red	Grey	Yellow	Brown	Violet	Black	White	Pink	Aqua
												

No	13	14	15	16	17	18	19	20	21	22	23	24
Colour	Orange	Green	Red	White	Yellow	Pink	Orange	Green	Red	White	Yellow	Pink
												

Buffer Tube Colours

No	1	2	3	4	5	6	7	8
Colour	Red	White	White	White	White	White	White	Green
								