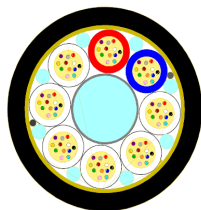


EUROLAN Microcable

Singlemode 144/192 x 250 G657.A1



Ordering information

Part number	E-number	Description
39M-S250-144-BL	4988917	Eurolan Microcable 144x250 G657.A1
39M-S250-192-BL	4988927	Eurolan Microcable 144x250 G657.A1

Specifications

Fiber count	144	192
Design	6 x 24	8 x 24
Loose Tube Ø (mm)	1,90	
Sheat thickness (mm)	0,4	
Outer jacket	Polyethylene (PE)	
Colour	Black	
Weight kg/km	38	56
Outer Ø (mm)	6,8	7,9
Temperature range (°C)	Installation -15 to +40 Transport and storage -40 to +70 Operation -40 to +60	
Min bending radius (mm)	Without Tension 15 x Outer ø Under maximum Tension 15 x Outer ø	

- ✓ **Application:**
For blowing in microducts.
- ✓ **Glass:** G657. A1
- ✓ **Outer sheat:** Polyethylene (PE)
- ✓ **Standards:**
IEC 60794-1
- ✓ **Strength members:**
2 aramid yarns serving as ripcord and as strengthening yarns.
- ✓ **Core:** The required number of tubes are stranded (SZ method) around the central element. Loose Tube embedded in gel (non-toxic and dermatological safe gel compound).
- ✓ **Central strength members:**
The central element consist of FRP (fiber reinforced plastic) with a water-swellable layer.

Main characteristics			
Test	Standard	Specified value	Acceptance criteria **
Tensile performance	IEC 60794-1-2-E1	300N Operation 1000N Installation	$\Delta\alpha \leq 0,05\text{dB}$ $\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	500N, 100mm plate/plate 1 min 1000N, 100mm plate/plate 1 min	$\Delta\alpha \leq 0,05\text{ dB}$, during test, no damage $\Delta\alpha \leq 0,05\text{ dB}$, after test, no damage
Impact	IEC 60794-1-2-E4	5Nm, R=300mm, 3 impacts	No damage
Torsion	IEC 60794-1-2-E7	$\pm 180^\circ$, L=1m, 10 cycles	No damage
Kink	IEC 60794-1-2-E10	Min diameter=100mm	$\Delta\alpha \leq 0,05\text{ dB}$, no damage
Repeated bending	IEC 60794-1-2-E6	R=15 x cable ϕ , 100 cycles, 20N	No damage
Cable bend	IEC 60794-1-2-E11	D= 250mm, 5 turns, 3 cycles, -10°C	$\Delta\alpha \leq 0,05\text{ dB}$, no damage
Temperature range	IEC 60794-1-2-F1	-30 to +60°C -40 to +70°C	$\Delta\alpha \leq 0,05\text{dB}$ $\Delta\alpha \leq 0,15\text{dB}$
Water Penetration	IEC 60794-1-2-F5B	Sample=3m, water=1m	No water leakage after 24 hour

Fiber colour code:

1-12

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

13-24

Red - Blue - White - Green - Yellow - Grey - Brown - Neutral - Violet - Orange - Turquoise - Pink

Tube colours:

Red - Blue - White - White - White - White - White - White -