



METRIC
INDUSTRIAL

FibreCore Mikrokabel MTE



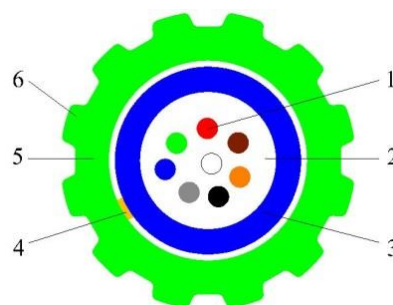
FiberCore MTE mikro blåsekabel med optimalisert stivhet samt lavfriksjons materiale i kabelkappen gir utmerkede mekaniske egenskaper. Kabelen leveres i to forskjellige diametre og er spesielt utformet for applikasjoner hvor kravet til lange blåse strekk og hurtig installasjon er essensielt.

Fiber antall: Fra 2 til 24 fiber
 Fiber type: Singlemode fiber 250um G657A1, fullt kompatibel med G.652D
 Kappe materiale: HDPE
 Tube materiale: PC med forbedret ytelse

Struktur:



1. Optisk fiber
2. Gel
3. Fiber tube
4. Strippe tråd
5. Rille
6. Kabel kappe



Fiber farge kode

No.	1	2	3	4	5	6	7	8	9	10	11	12
	Hvit	Rød	Gul	Grønn	Blå	Grå	Brun	Sort	Fiolett	Turkis	Orange	Rosa
13	14	15	16	17	18	19	20	21	22	23	24	
	Hvit	Rød	Gul	Grønn	Blå	Grå	Brun	Nøytral	Fiolett	Turkis	Orange	Rosa
	●	●	●	●	●	●	●	●	●	●	●	●

Test Protocol:

Mechanical Test:

Test	Standard	Parameters	Criteria
Installation Tension	IEC 60794-1-2-E1	1.5x Weight	Fiber strain shall be released afterwards Duration of load sustain: 1min. Velocity of transfer device: 10mm/min Additional attenuation: ≤0.1dB after test.
Short Term Crush	IEC 60794-1-2-E3	1000 N , 100mm , 5 min	No damage to outer jacket and inner elements
Repeated bending	IEC 60794-1-2-E6	30 N, 25 cycles	No obvious additional attenuation. No damage
Torsion	IEC 60794-1-2-E7	50 N, 5 cycles	$\Delta a \leq 0.05\text{dB}$, no damage
Coiling performance	IEC 60794-1-2-E20	Coil on standard Drum	The outer sheath has no visible crack. No damage on the cable
<i>Remark : Tests according to IEC 60794 Edition 1.0, 2008-10</i>			<i>All optical tests proceeded at 1550 nm</i>

Environmental test:

Test	Standard	Parameters	Criteria
Temperature cycling	IEC 60794-1-2-F1	SingleMode	Storage, installation and Operation
Water penetration	IEC 60794-1-2-F5	Water column=1 m Sample cable=3 m	No water leak through the open end in 24 hours
Filling compound flow	IEC 60794-1-2-E14	70°C	No compound flow from the cable in 24 hours

Remark : Tests according to IEC 60794 Edition 1.0, 2008-10 *All optical tests proceeded at 1550 nm*

Cable properties:

Fiber count	Weight/km (kg)
2-4	5,0
6-12	6,0
24	6,5

Temperature range:

Storage	Installation	Operation
-40 ~ +70 °C	-5 ~ +50 °C	-20 ~ +60 °C

Mechanical properties:

Max. Crush resistance	Max. Tensile strength	Min. Bending radius	Loose tube bending radius
1000N	1.5x Weight	Static: 12 X OD Dynamic: 20 X OD	25 mm

Kabel merking: FibreCore G*/125 MTE-18/25 xx/yy zzzz xxxxM

*: Fiberantall, xx/yy: Mnd/År, zzzz: Serienr., xxxx: Meter merking

Bestillings informasjon:

Elnr.	Art. Nr.	Antall fiber	Kabel dia. (mm)
10 647 40	G2-9/125 MTE-18	2	1,8
10 647 41	G4-9/125 MTE-18	4	1,8
10 647 42	G2-9/125 MTE-25	2	2,5
10 647 43	G4-9/125 MTE-25	4	2,5
10 647 44	G12-9/125 MTE-25	12	2,5
10 647 45	G24-9/125 MTE-25	24	2,5

Vennligst ta kontakt for andre opsjoner