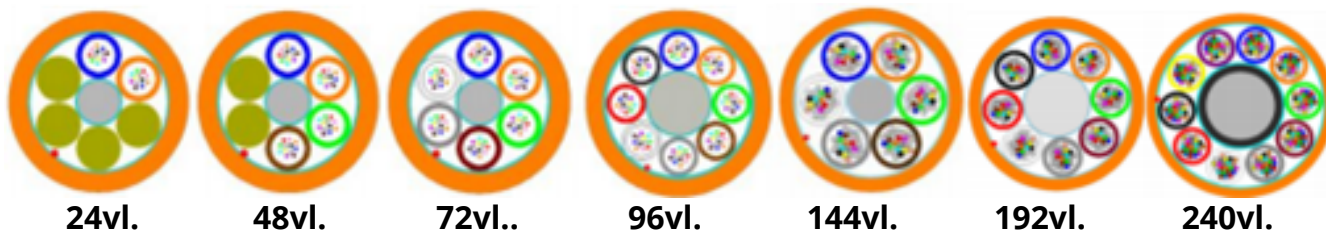


Mikrokabel k zafouknutí, 9/125, G657A1, PE, Nylon



Vlastnosti a výhody

- Optimální struktura kabelu, vysoká hustota vláken. Přesné vyvážení vlákna, zajištění stabilního výkonu.
- Žádný gel v jádru kabelu pro blokování vody, nízký obsah uhlíku.
- Struktura Inovace pláště, zlepšující výkon při zafukování.

Normy

Pokud není v této specifikaci uvedeno jinak, všechny požadavky musí být v souladu s následujícími specifikacemi.

Optické vlákno ... ITU-T G.657 、 IEC 60793-2-50

Optický kabel ... IEC 60794-5 、 IEC 60794- 1-2

Technický index

Cable Type		Layer Cable								
Fibre Count		24	48	72	96	144	192	240	288	432
Number of loose tube		2	4	6	8	8	8	10	9+15	6+12
Number of filled string		4	2	0	0	0	0	0	0	0
Number of fiber/tube		12	12	12	12	24	24	24	12	24
Water blocking method	FRP	Water Blocking yarn								
	Cable Core	Water Blocking yarn								
Thickness of PA12 sheath		Nominal: 0.50mm, Average: 0.45mm, Minimum: 0.40mm								
Overall Diameter (±0.2) mm		4.4	4.4	4.4	5.3	6.0	6.9	7.9	7.9	9.3
Weight (kg/km)		19	19	19	28	33	52	60	60	75
Max. Tensile Strength		200	200	200	500	500	1000	1000	800	800N
Max. Crushing Resistance		500N/100mm				700N/100mm				
Min. Bending radius -Static		12 outer Φ								
Min. Bending radius -Dynamic		20 outer Φ								
Cable Fiber Attenuation (G.657A1)		0.35dB/km max @1310nm					0.22dB/km max @1550nm			
Temperature range		Storage -40~+70℃; Installation -10~+40℃; Operation see environment performance								
Cable service life (estimate value)		25 years								

Testing Index

Blowing performance

Blowing Tool	Typical blowing length			
	Fiber Count	Duct type		
		10/8mm	12/10mm	14/12mm
PLUMETTAZ : PR-140, MiniJet-400 etc. AIR Pressure : 10~15 Bar	24~72 fibres	≥1500m	/	/
	96fibres	≥1500m	/	/
	144fibres	≥1500m	/	/
	192fibres	/	≥1500m	/
	240fibres	/	≥1500m	/
	288fibres	/	≥1500m	/
	432Fibers	/	/	≥1500m

Mechanic performance

Item	Testing Method	Testing Results	Specified Value
Tension performance	IEC 60794-1-2-E1	Short term : $\Delta\alpha < 0.10$ dB, $\Delta\alpha$ reversible ; Long term : $\Delta\alpha \leq 0.03$ dB ;	Short term : see technical index Long term = 0.5 Short term
Crush	IEC 60794-1-2-E3	Short term : $\Delta\alpha < 0.10$ dB, $\Delta\alpha$ reversible ; Long term : $\Delta\alpha \leq 0.03$ dB ; The outer sheath has no visible crack.	Short term : see technical index Long term = 0.5 Short term
Repeated bending	IEC 60794-1-2-E6	After test, $\Delta\alpha \leq 0.03$ dB ; The outer sheath has no visible crack.	R=20 outer Φ
			Bending load =50N Bending times =30
Torsion	IEC 60794-1-2-E7	After test, $\Delta\alpha \leq 0.03$ dB ; The outer sheath has no visible crack.	Torsion angle= $\pm 180^\circ$
			Bending load =50N Torsion times =10
Cable bend	IEC 60794-1-2-E11A	After test, The optical fiber can't be broken ; The outer sheath has no visible crack.	R=20 outer Φ 10Turns Cycles times =5
All optical testing proceeded at 1550 nm			

Environment performance

Item	Testing Method	Testing Results
Temperature cycling	IEC 60794-1-2-F1	Allowable additional attenuation (1550nm)
		Temperature range 24~72fibres: -20℃~+70℃ 96~432fibres: -30℃~+70℃
		$\Delta\alpha \leq 0.10$ dB/km, $\Delta\alpha$ reversible;
Water penetration	IEC 60794-1-2-F5B	Water column: 1m, 3m cable, Period:24 hours No water leak through the open end of cable
Filling compound flow	IEC 60794-1-2-E14	70℃, Period:24 hours No compound flow from the cable

Dodací délky a balení

Standardní dodací délky jsou 2km, 4km s tolerancí -1%~+3%.

Dřevěné nebo překližkové bubny s ochranou

Fibre Count	Drum Length (m)	Drum Size $\Phi \times W$ (mm)	Packing Size L×W ×H (mm)	Weight (Gross) (kg)
24-72fibres	2000	$\Phi 600 \times 450$	640×450×805	70
	4000	$\Phi 700 \times 450$	740×450×905	115
96fibres	2000	$\Phi 600 \times 450$	640×450×805	90
	4000	$\Phi 700 \times 570$	740×570×905	150
144fibres	2000	$\Phi 700 \times 570$	740×570×905	100
	4000	$\Phi 800 \times 570$	840×570×1005	170
192fibres	2000	$\Phi 700 \times 570$	740×570×905	140
	4000	$\Phi 800 \times 750$	840×750×1005	250
240fibres	2000	$\Phi 700 \times 570$	740×570×905	160
	4000	$\Phi 800 \times 750$	840×750×1005	280