

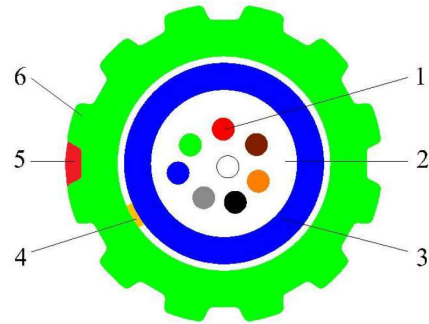
EPFU Singlemode, 24v, G657A

Productinformatie

Optimized cable stiffness and low friction sheath material for excellent installation performance

Good mechanical and environmental properties

Special design for longer and faster air blown installation technique



1. Optical Fiber
2. Jelly
3. Loose Tube
4. Kevlar/ Ripcord
5. Groove
6. Outer Sheath

Specificaties

- Fiber type : 200um G657A
- Tubing material : Performance Enhanced PC Plastic
- Outside sheath : HDPE

Aantal vezels : 24

NR	1	2	3	4	5	6	7	8	9	10	11	12
Kleur	Blue	Yellow	Green	Red	Grey	White	Red	Black	Yellow	Purple	Magenta	Cyan
NR	13	14	15	16	17	18	19	20	21	22	23	24
Kleur	Blue	Yellow	Green	Red	Grey	White	Red	Black	Yellow	Purple	Magenta	Cyan

13-24: kleuren met zwarte ring om de 10cm –
Kleur 20 = naturel

Test Protocol

Mechanical Test:

Test	Standaard	Parameters	Criteria
Installation Tension	IEC 60794-1-2-E1	80 N	$\Delta\alpha$ reversible, Additional attenuation ≤ 0.1 dB
Short Term Crush	IEC 60794-1-2-E3	500 N, 100mm, 5 min	Additional attenuation ≤ 0.1 dB
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	$\Delta\alpha \leq 0.05$ 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

Note : 1 Tests according to IEC 60794 Edition 1.0, 2008-10
2 All optical testing proceeded at 1550 nm

Environmental Test:

Test	Standaard	Parameters	Criteria
Temperature cycling	IEC 60794-1-2-F1	G657A1	≤0.05 dB/ km
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			

Blowing Test:

Test equipment	PR-196/ Microjet
Standard duct	5/3.5 mm
Test field	Square: 5X200 m with bending diameter 600mm
Blowing length/time	1000 m/ 24min
Standard duct	7/4 mm
Test field	Square: 10X100 m with bending diameter 600mm
Blowing length/time	1000 m/ 52min

Cable properties:

Fibre Count	24 Fibres
Nominal Diameter (mm)	2,6
Weight (kg/m)	6
Temperature range	Storage: -20 - +60 °C Installation: -5 - +50 °C Operation: -20 - +60 °C
Jacket Color	Green

Mecanical properties:

Max. Crushing resistance	500 N
Max. Tensile strength	80 N
Min. Bending radius	Static: 12x OD / Dynamic: 20x OD
Loose tube bending radius	35mm

Fibre Count	G657A1 fiber
Part number	EPFU-24-OS2A2.5