

HF FibreCore A4 G657A1 MTE 3.8 V2

Two Layer Tube

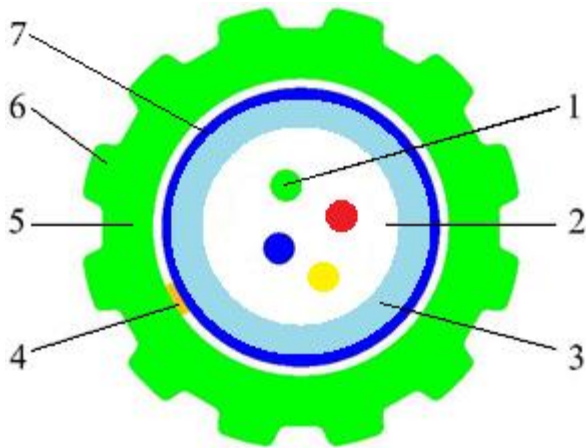
Description

Fiber type: Standard G657A1
 Outside sheath: Low friction HDPE
 Water tightness: Water Blocking Twaron
 Diameter: 3.8 mm

Feature

Very Low friction design
 Simple outer jacket removal solution
 Easy rip construction

Structure



- | | | |
|----------------------------------|-----------|---------------------------|
| 1. Optical Fiber | 2. Jelly | 3. Inner layer Loose Tube |
| 4. Ripcord/Water Blocking Twaron | 5. Groove | 6. Outer Sheath |
| | | 7. Outer layer Loose tube |

Color Code

Color Code (DIN)

Fiber color code

No.	1	2	3	4
	Red	Green	Blue	Yellow

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Mechanical Test:

Test	Standard	Parameters	Criteria
Installation Tension	IEC 60794-1-2-E1	100 N	Δa reversible, fiber strain $\leq 0.3\%$
Operation Tension	IEC 60794-1-2-E1	50 N	$\Delta a \leq 0.03$ dB , no fiber strain
Short Term Crush	IEC 60794-1-2-E3	1000 N, 100mm, 5 min	Additional attenuation ≤ 0.1 dB
Long Term Crush	IEC 60794-1-2-E3	500 N	No obvious additional attenuation. The outer sheath has no visible crack
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	$\Delta a \leq 0.05$ 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	G652D	≤ 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
<i>Remark: Tests according to IEC 60794 Edition 1.0, 2008-10</i>			<i>All optical tests proceeded at 1550 nm</i>

Technical Index

Cable properties:

Fiber count	Weight	Nominal diameter	Temperature range
4	11 Kg	3.8 mm	Storage: -30 - +70°C Installation: -20 - +40 °C Operation: -20 - +40 °C

Mechanical properties:

Max. Crushing resistance	Max. Tensile strength	Min. Bending radius	Loose tube bending radius
1000N	100N	Static: 8 X OD Dynamic: 15 X OD	25 mm

For more options please contact the customer service

Part number:

Fiber count	G657A1 fiber
	Type number
4F	450509