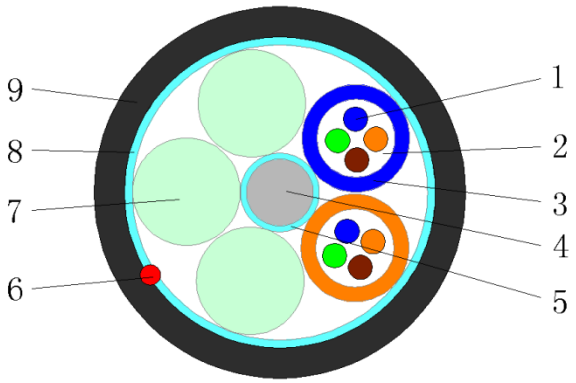
HF FibreCore A8 G652D 4X2 FT 3.8mm

Structure



1. Optical Fiber
2. Jelly
3. Loose Tube
4. FRP
5. Water Blocking yarn
6. Ripcord
7. Filling String
8. Aramid yarn
9. HDPE Sheath

Description

Fiber type:	Standard G652D
Outside sheath:	HDPE
FRP:	Glass fiber reinforced plastic rod
Stranding:	SZ wounded around FRP
Loose Tube:	PBT material 25mm bending radius
Water tightness:	Water swellable yarns
Diameter:	3.8mm

Feature

HF FiberCore Air Blown Fiber Cables are lightweight cables designed for air blown installation into Micro-Ducts.

The flexible loose tube design provides easy and stable working and installation performance.

The Dry Core Design keeps fiber cable in small diameter and fully water resistance for quick and clean jointing.

Special ripcord solution has great advantage to easy access to the fiber without damaging the loose tube

High performance, the cable can be blown in both small and standard tubes for very long distance

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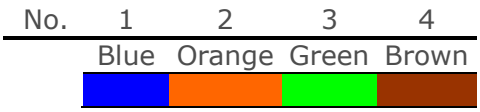
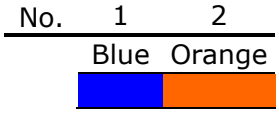
Color Code



Loose Tube Colors



Test Protocol

Mechanical Test:

Test	Standard	Parameters	Criteria
Installation Tension	IEC 60794-1-2-E1	150 N	Δa reversible, Additional attenuation ≤0.1dB
Operation Tension	IEC 60794-1-2-E1	80 N	Δa ≤0.03 dB , no fiber strain obvious
Short Term Crush	IEC 60794-1-2-E3	500 N ,100mm, 5 min	Additional attenuation ≤0.1dB
Long Term Crush	IEC 60794-1-2-E3	200 N	No obvious additional attenuation. The outer sheath has no visible crack
Repeated bending	IEC 60794-1-2-E6	20 N, 25 cycles	No obvious additional attenuation. No damage
Torsion	IEC 60794-1-2-E7	20 N, 5 cycles	Δa ≤0.05dB, 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
Remark: Tests according to IEC 60794 Edition 1.0, 2008-10 All optical tests proceeded at 1550 nm			

Environmental Test:

Test	Standard	Parameters	Criteria
Temperature cycling	IEC 60794-1-2-F1	G652D	≤0.1 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℃	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			

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Technical Index

Cable properties:

Fiber count	Number of loose tube	Number of fiber/tube	Diameter of FRP
8	2	4	0.8 mm

Outer sheath thickness (Nom.)	Weight	Temperature range	Overall diameter Nominal
0.45 mm	12 Kg/km	Storage: -30 - +70 ℃ Installation: -30 - +50 ℃ Operation: -20 - +70 ℃	3.8 mm

Mechanical properties:

Max. Crushing resistance	Max. Tensile strength	Min. Bending radius	Loose tube bending radius
500 N/100mm	150 N	Static: 15X OD Dynamic: 20X OD	50 mm

Ordering Information

Part number:

Fiber count	G652D fiber
	Type number
8F	450544

For more options please contact the customer service