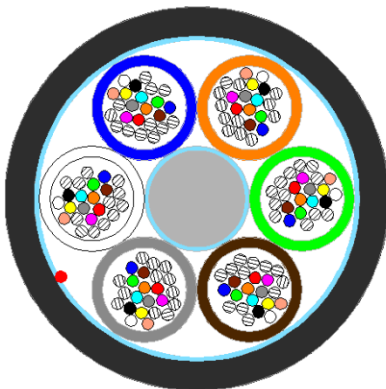
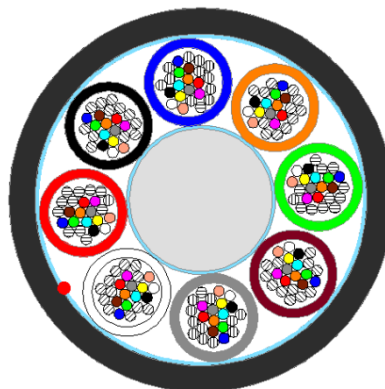


HFiberCORE Airblown 200um FD

Structure



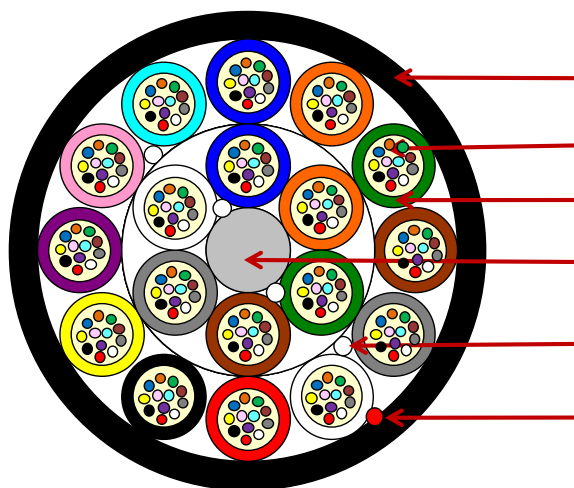
144fiber



192fiber



288fiber



432 fiber

Color code of the cable may vary from the drawings above

Outer sheath

Fiber and filling

Loose tube

Central strength member

Water blocking yarn

Ripcord

Description

Fiber type: 200um single-mode fiber

200um MFD: @1310nm $8.9 \pm 0.4 \mu\text{m}$
@1550nm $9.9 \pm 0.5 \mu\text{m}$

Outside sheath: Low friction HDPE

Strength member :Glass fiber reinforced plastic

Tube Stranding: SZ wounded

Loose Tube: (PBT)Polybutylene- Terephthalate

Water tightness: Water blocking yarns

Feature

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

Strong loose tubes provide 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 construction is designed for air jetting, allows the cable to be blown in both small and standard ducts for extreme long distance

HFiberCORE Airblown 200um FD

Color Code (TIA/EIA-598)

Fiber color code

No.	1	2	3	4	5	6	7	8	9	10	11	12
	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink
No.	13	14	15	16	17	18	19	20	21	22	23	24
	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Neutral	Orange	Pink

Remark: No.13 ~ No.24 fiber colors with black ring marks at intervals of 100mm, except No. 22 is transparent (Neutral).

Loose tube color code

No.	1	2	3	4	5	6	7	8	9	10	11	12
	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink
No.	13	14	15	16	17	18	19	20	21	22	23	24
	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Neutral	Orange	Pink

Remark: No.13 ~ No.24 loose tube colors with black ring marks at intervals of 100mm, except No. 22 is transparent (Neutral).

Other color codes can be ordered by prior notice

Test Protocol

Mechanical Test:

Test	Standard	Parameters	Criteria
Installation Tension	IEC 60794-1-2-E1	1 x Weight	Fiber strain $\leq 0.33\%$, additional attenuation: $\leq 0.1\text{dB}$ after test
Short Term Crush	IEC 60794-1-2-E3	500 N , 100mm , 1 min	Additional attenuation: $\leq 0.1\text{dB}$ after test No damage to outer jacket and inner elements
Repeated bending	IEC 60794-1-2-E6	25 N, 25 cycles	No obvious additional attenuation. No damage
Torsion	IEC 60794-1-2-E7	40 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

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	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

HFiberCORE Airblown 200um FD

Technical Index

Cable construction:

Fiber count	Construction (Tube x Fiber/tube)	Nominal diameter (mm)	Weight (KG/Km)
144	6x 24	5.8	30
192	8x 24	6.6	40
288	24x12	8.1	58
432	18x24	9.0	68
576	24x24	10.5	97

Nominal Outer sheath thickness	Loose tube bending radius	Min. Bending radius	Temperature range
0.5 mm	50 mm	Static: 10 X OD Dynamic: 20 X OD	Storage: -40 - +70 °C Installation: -10 - +50 °C Operation: -30 - +70 °C

Ordering Information

Standard drum size: 4km/6km

Printing on the cable: "HFiberCORE" "part number" "meter" "production date and code"

For more options please contact the customer service