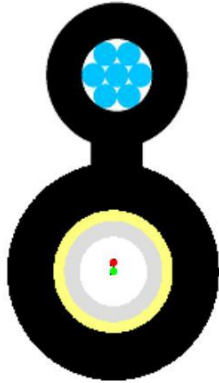


FTTH Aerial Drop Cable

Cable design



- Galvanized steel strand messenger.
- Loose tube containing optical fibres and full of filling compound.
- Longitudinal Water Tightness: Water swellable elements to ensure watertightness.
- Dielectric reinforcement: aramid yarns.
- Outer sheath: Black halogen free, flame retardant outer sheath (HFFR). One ripcord is laid below outer sheath.

Figure : 2 fibres cable (not to scale) -

Technical data

No. of Fibres			4
Loose tube - Ø	mm		2.0
Messenger diameter	mm		1.2
Messenger diameter (with sheath)	mm		2.9
Cable diameter (Width x Height)	mm		4.3 x 8.3
Cable weight	kg / km		40
Minimum bending radius	mm	Without tension 15 x Cable-Ø	Under maximum tension 20 x Cable-Ø
Temperature range	°C	Installation 0 to + 40	Transport & Storage - 30 to + 70 Operation - 30 to + 70

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

Test	Test standard	Specified value	Acceptance criteria
Max. working tension	IEC 60794-1-2-E1	1000 N	$\Delta\alpha$ reversible fibre strain \leq 0.33%
Crush	IEC 60794-1-2-E3	800 N / 100 mm	$\Delta\alpha \leq$ 0.05 dB
Impact	IEC 60794-1-2-E4	2 N·m, 3 impacts, r = 300 mm	$\Delta\alpha \leq$ 0.05 dB
Cable bend	IEC 60794-1-2-E11	R=100 mm, 5 turns, 3 cycles	$\Delta\alpha \leq$ 0.05 dB
Temperature cycling	IEC 60794-1-2-F1	- 30 °C to + 70 °C	$\Delta\alpha \leq$ 0.1 dB/km
Water penetration	IEC 60794-1-2-F5	sample=3m, water =1m, 24 hours	no water leakage (optical core)
Flame retardancy	IEC 60332-1-1	Time for flame application: 60s	Acc. IEC 60332-1-1
Gas toxicity	IEC 60754-2	IEC 60754-2	pH \geq 4.2
Smoke density	IEC 61034-2	4 cable samples	Transmittance > 50%
Halogen content	IEC 60754-1	IEC 60754-1	Halogen content \leq 5%

All optical measurements at 1550 nm.

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Fibre colours

No.	1	2	3	4
Colour	blue	yellow	red	white

Fiber type-G657A2

Sheath colour

Standard outer sheath colour is black.

Sheath marking

Sheath marking will be customized on request

Delivery lengths

Logistic

Cable length on drum 4000m.
