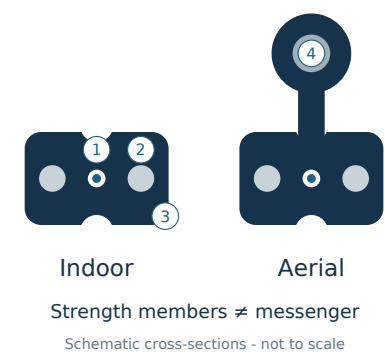


Indoor & aerial FTTH drops

Bow-type drop cables for the final FTTH subscriber connection. Parallel strength members reinforce the drop body; a separate messenger supports standard aerial versions.



- 1. Optical fiber
- 2. Parallel strength members
- 3. Drop cable sheath
- 4. Steel messenger for aerial support

Component sizes and fiber count depend on the selected construction. Diagram is not to scale.

Model / input	Construction detail
Indoor drop body	GJXH uses metallic parallel strength members; GJXFH uses non-metallic members such as FRP/KFRP. Standard indoor versions are non-self-supporting and have an LSZH sheath.
Aerial drop body	GJYXCH uses metallic parallel members; GJYXFCH uses non-metallic parallel members. Both standard aerial versions include a separate steel wire / steel-strand messenger.
Fiber selection	Published standard counts: 1, 2 or 4F. Specify the required single-mode category, including G.657A1/A2 where required, and confirm attenuation and cable bend limits.
Sheath / environment	Published standard constructions use LSZH; other sheath materials are available by specification. Confirm flame, smoke/halogen and outdoor weathering requirements separately.

Selection notes

Non-metallic parallel members do not make a steel-messenger aerial cable fully dielectric. A customized aramid supporting element can be specified instead. LSZH alone does not establish UV resistance, water-blocking or a particular fire classification.

For a quotation: indoor/aerial route, model, fiber count/type, support span, sheath requirement, quantity, reel length and destination.

See page 2 for the checked reference tables. Request the order datasheet for final construction, tolerances and agreed tests.

FTTH reference dimensions by model

Standard bow-type constructions from the public model tables, checked on 7 October 2026. Model, member material and support construction affect weight even when the size is unchanged.

Model	Fiber count (F)	Typical size (mm)	Reference wt. (kg/km)
GJXH	1 / 2 / 4	2.0 x 3.0	9.2
GJXFH	1 / 2 / 4	2.0 x 3.0	8.2
GJYXCH	1 / 2 / 4	2.0 x 5.0	18.1
GJYXFCH	1 / 2 / 4	2.0 x 5.0	13.5

Mechanical values: the same published models

Model	Tension LT / ST (N)	Crush LT / ST (N)	Bend static / dynamic (mm)
GJXH	100 / 200	1000 / 2200	15 / 30
GJXFH	40 / 80	500 / 1000	15 / 30
GJYXCH	100 / 200	1000 / 2200	15 / 30
GJYXFCH	40 / 80	500 / 1000	15 / 30

LT / ST = long / short term. These are published reference cable values, not allowable aerial spans. Confirm messenger design and installation loading separately. Bending-insensitive fiber still requires the specified minimum cable bend radius. Confirm crush-test conditions and sheath test results for the agreed construction.

Typical reference values, not guaranteed order values. A fiber-count band can share a nominal diameter and reference weight. This does not mean every fiber count has identical measured weight. Final dimensions, weight, tolerances and mechanical limits are confirmed in the agreed order datasheet.

Source references - checked 7 October 2026

- Public reference: Indoor construction and reference values
- Public reference: Outdoor construction and reference values