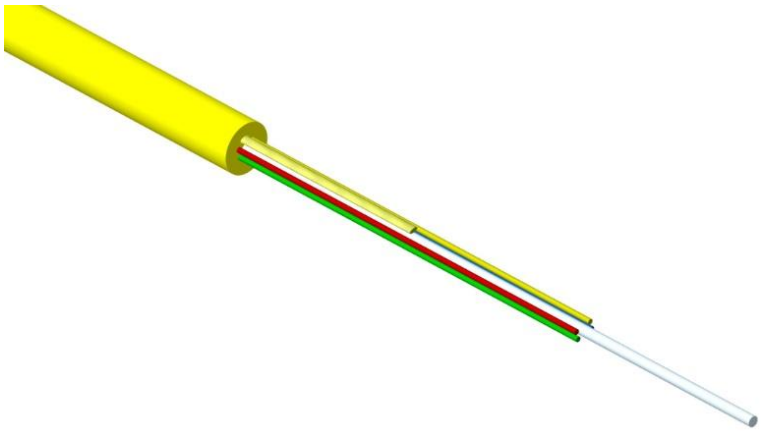
NFC09FL09 FTTH Indoor Cable

- Short term	1500

BrightCore® EasyPull Cable 2 & 4 fibers



Novobit's BrightCore® FTTH EasyPull Cable (in accordance to IEC 60794) is developed for optimizing installation by pulling. The cables have high tensile strength with one central strength member made from FRP and additional aramid yarns, also used as rip cords for a quick and easy removal of the outer jacket. It is available with both round construction and oval construction with a jacket made from flame retardant LSZH.

Optical Properties

The cable is available with the following fiber types:

Singlemode	Multimode
- G652	- OM1
- G657.A1	- OM2
- G657.A2	- OM3
- G657.B3	- OM4
- G655	- OM5

Temperature Properties

Installation	-20°C to +60 °C
Service	-40°C to +80 °C
Storage	-40°C to +85 °C

Specifications and Performance

#No. of fibers	2	4	2	4
Diameter [mm]	2.9	2.9	2.4x2.9	2.4x2.9
Weight [kg/km]	7.7	8.3	6.3	6.8
Bending radius [mm]				
- In service	40			
- Max tensile load	80			
Allowed tension [N]				
- In service	200			
- During installation	400			
Allowed crush, [N/dm]				
- Long term	1000			

Applications:

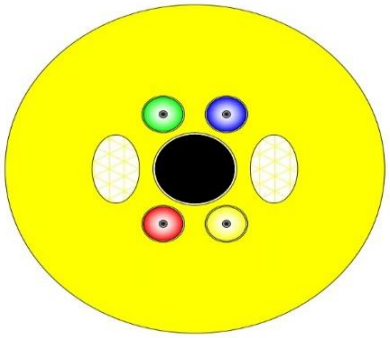
The BrightCore® EasyPull cable, developed for optimizing installation by pulling, is ideally installed between the BEP (Building Entry Point) and the OTOs (Optical Termination Outlet) in the FTTH network.

Standards

IEC 60794-1-2 F1	Temperature
IEC 60794-1-2 E1	Tensile Performance
IEC 60794-1-2 E3	Crush Resistance
IEC 60794-1-2 E4	Impact
IEC 60794-1-2 E6	Repeated Bending
IEC 60794-1-2 E7	Torsion
IEC 60794-1-2 E11	Bending
IEC 60754-1/-2 EN 50267-1-2/-2-2 VDE0482-267-2-1/-2-2	Zero Halogen, non-corrosive gases
IEC 60332-1-2 EN 60332-1-2 VDE0482-332-2-1	Flame retardant
IEC 61034-1/-2 EN 61034-1/-2 (EN 50268-1/-2)	Minimum smoke emission

Structure

1. Central strength element (FRP)
2. Tube 900µm
3. Up to 4 fibers 2500µm
4. Aramid yarn (rip cord)
5. LSZH jacket



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Novobit reserves the right to change any specifications listed above.

Variants

Part No.	Name	No. of fibers	Diameter (mm)	Weight (kg/km)	Tensile (N)	Crush (N/dm)
NFC09FL09-F2	BrightCore® EasyPull, 2f	2	2.9	7.7	200	1000
NFC09FL09-F4	BrightCore® EasyPull, 4f	4	2.9	8.3	200	1000
NFC09FL09-F2-O	BrightCore® EasyPull, 2f oval	2	2.4x2.9	6.3	200	1000
NFC09FL09-F4-O	BrightCore® EasyPull, 4f oval	4	2.4x2.9	6.8	200	1000