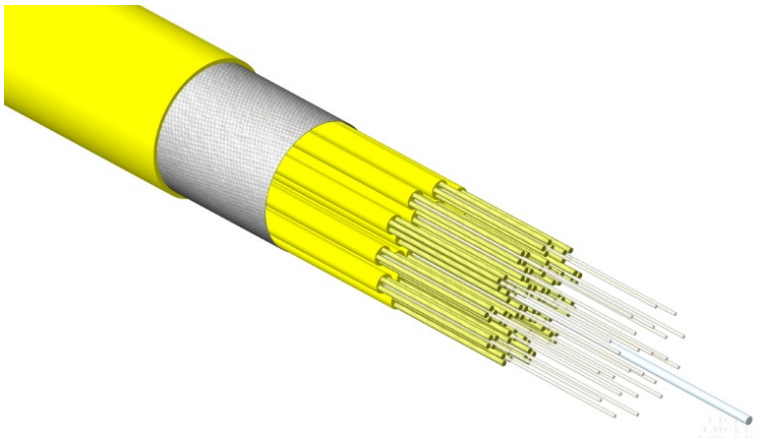
Break-Out Cable

NFC-515 BrightCore® Break-Out Cables up to 24 fibers



Novobit's innovative BrightCore® Break-Out Cables are constructed with up to 24 individual simplex BrightCore® cables with a diameter of 1.4 mm which are helically stranded around a non-metallic central strength element. With the BrightCore® cable construction the individual fibers do not need the protection of tubes which makes the cable small-sized, compact and light. Each fiber is strain relived with aramid yarns.

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	-10°C to +50 °C
Service	-25°C to +70 °C
Storage	-25°C to +70 °C

Specifications and Performance

#No. of fibers	4	8	12	24
Diameter [mm]	6.0	6.9	9.0	9.8
Weight [kg/km]	18	30	68	96
Bending radius [mm]				
- In service	60	70	90	100
- Max tensile load	120	140	180	200
Allowed tension [N]				
- In service	500	1000	1500	2000
- During installation				
Allowed crush, [N/dm]				
- Long term	1000	1500	2000	3000
- Short term				

Applications:

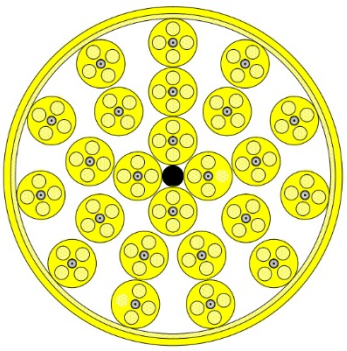
The Novobit's BrightCore® Break-Out Cables are designed especially for high-density applications with limited space such as in central offices and data centers. Excellent temperature stability for category C applications.

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 Member
2. Up to 24 x 1,4mm BrightCore® simplex cables
3. Aramid yarn
4. LSZH jacket



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