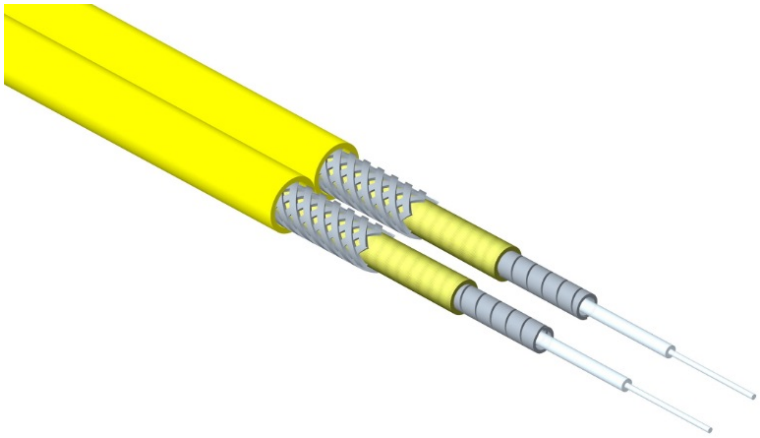
Duplex Cable

NFC-79 Armored Duplex Zipcord Cable for Assemblies



Novobit's Armored Duplex zipcord cable, designed for applications in hash environments requiring simultaneous, bidirectional data transfer, is available with 2x2.5mm or 2x2.8mm. The cable consists of 2 armored simplex cables joined with a thin web. Each 0.6mm (0.9mm as option in 2.8mm) tight buffered fiber is protected by a spiral steel layer, strain relieved with aramid yarn and a second, metal braid, protection layer. The outer layer is a LSZH jacket.

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

Diameter [mm]	**2.5x5.1**	**2.8x5.7**
Weight [kg/km]	20	34
Bending radius [mm]		
- In service	25	28
- Max tensile load	50	56
Allowed tension [N]		
- In service	2x200	
- During installation	2x400	
Allowed crush, [N/dm]		
- Long term	6000	
- Short term	10000	

Applications:

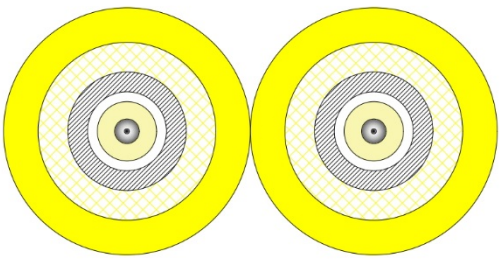
The Novobit Duplex zipcord cable is Ideal for harsh environment fiber optic cable assemblies. Specially developed for easy stripping and handling, saving time during assembly. Excellent temperature stability for category U applications..

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. 2 x 600µm /(900 µm) tight-buffered fiber
2. 2 x Steelspiral
3. 2 x Aramid yarn
4. 2 x Metal braid
5. 2 x LSZH jacket



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