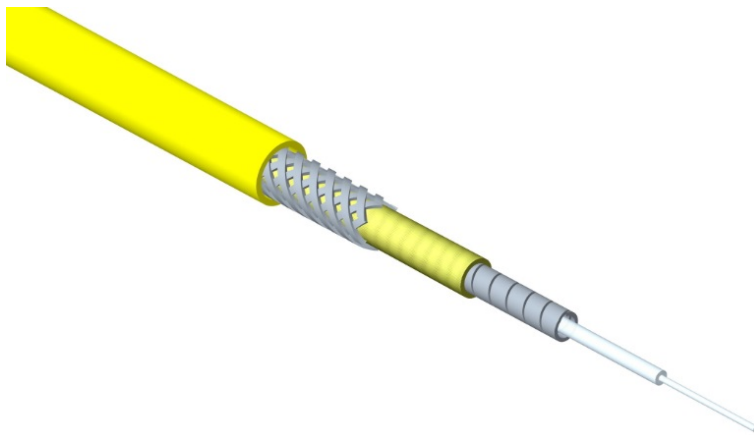


# Simplex Cable

## NFC-69 Armored Simplex Cable for Assemblies



### Applications:

The Novobit Armored Simplex 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	Zero Halogen,
EN 50267-1-2/-2-2	non-corrosive gases
VDE0482-267-2-1/-2-2	

IEC 60332-1-2	Flame retardant
EN 60332-1-2	
VDE0482-332-2-1	

IEC 61034-1/-2	Minimum smoke emission
EN 61034-1/-2	
(EN 50268-1/-2)	

Novobit's Armored Simplex Cable is designed for pigtail and patchcord applications in harsh environment, available as 2.5mm or 2.8mm in diameter. A tight-buffered (semi-tight buffered on request) fiber with a 0,6mm (0,9mm as option in 2.8mm) outer diameter, protected by a spiral steel layer, strain relieved with aramid yarn and a second, metal braid, protection layer. The outer layer is a Low Smoke Zero Halogen (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

### Structure

1. 600µm (/900 µm) tight-buffered fiber
2. Steelspiral
3. Aramid yarn
4. Metal braid
5. LSZH jacket

### Specifications and Performance

Diameter [mm]	2.5	2.8
Weight [kg/km]	10	17
Bending radius [mm]		
- In service	25	28
- Max tensile load	50	56
Allowed tension [N]		
- In service	200	
- During installation	400	
Allowed crush, [N/dm]		
- Long term	3000	
- Short term	4000	

