

# NFC04CU04 Duplex Cable

## Duplex Oval Cable for Assemblies



### Applications:

The Novobit Duplex oval cable is ideal for 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

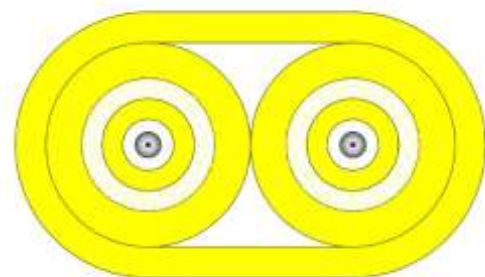
IEC 60754-1/-2	Zero Halogen,
EN 50267-1-2/-2-2	non-corrosive gases
VDE0482-267-2-1/-2-2	

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)	

### Structure

1. 2 x 900µm tight-buffered fiber
2. 2 x Aramid yarn
3. 2 x LSZH jacket (inner)
4. LSZH jacket (outer)



Novobit's Duplex Oval cable, designed for applications that require simultaneous, bidirectional data transfer, is available in 3.1x5.2mm (2x2.5mm simplex cables) and 3.5x6.2mm (2x2.8mm simplex cables). The cable consists of 2 simplex cables (with different colors), combined and strengthened by an outer LSZH jacket. Each 0.9mm (0.6mm as option) tight buffered fiber is strain relieved with aramid yarn and protected by a Low Smoke Zero Halogen 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]	3.1x5.2	3.5x6.2
Weight [kg/km]	42	58
Bending radius [mm]		
- In service	31	35
- Max tensile load	62	70
Allowed tension [N]		
- In service	2x200	2x200
- During installation	800	800
Allowed crush, [N/dm]		
- Long term	2500	2500
- Short term	3500	3500

## Variants

Part No.	Name	No. of tubes	No. of fibers	Diameter (mm)	Weight (kg/km)	Tensile (N)	Crush (N/dm)
NFC04CU04-2.5	DX Steel fig.0 – 2.5mm	2	2	3.1x5.6	42	2x200	5000
NFC04CU04-2.8	DX Steel fig.0 – 2.8mm	2	2	3.4x6.2	58	2x200	5000