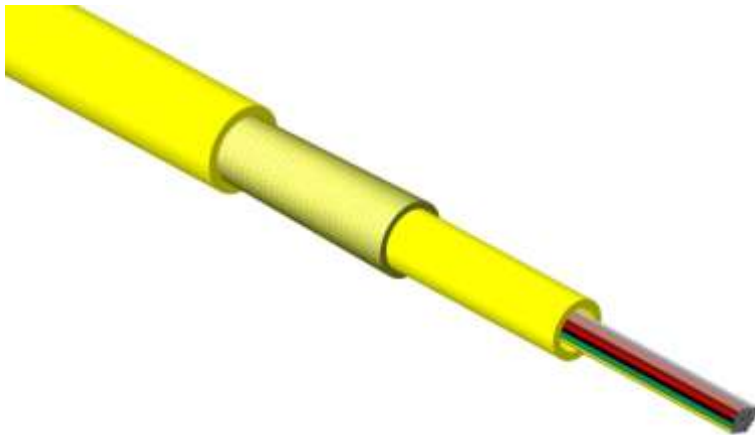


NFC05AL03 Micro Distribution Cable

Micro Distribution cable for Data Centers, 4 to 24 fibers



Applications:

The FTTH indoor cable is ideal for fiber optic cable assemblies in Data Center environments. Specially developed for easy stripping and handling, saving time during assembly. 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	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)	

FTTH Indoor cable, with CPR class B2ca-s1a,d0,a1 has a slim design (from 2.2mm up to 3.0mm) with up to 24 bare fibers in one dry loose tube. The fibers are strain-relieved with aramid yarn and additional protection is provided by the outer 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

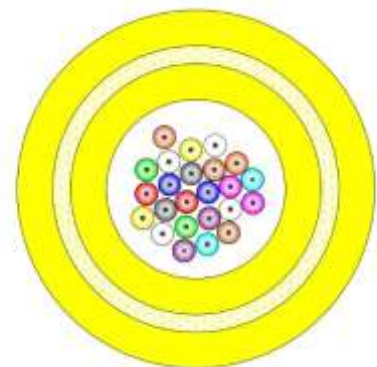
Installation	-10°C to +50 °C
Service	-20°C to +70 °C
Storage	-25°C to +70 °C

Specifications and Performance

#No. of fibers	4	8	12	24
Diameter [mm]	2.2		3.0	
Weight [kg/km]	4.5		16	
Bending radius [mm]				
- In service	35 / 16(G657.B3)	50 / 22(G657.B3)		
- Max tensile load	50 / 24(G657.B3)	80 / 33(G657.B3)		
Allowed tension [N]				
- In service	250		300	
- During installation	350		500	
Allowed crush, [N/dm]				
- Long term	1000		1500	
- Short term	3000		3000	

Structure (up to 24 fibers)

1. Up to 24 bare fibers
2. LSZH Loose tube
3. Aramid yarn
4. LSZH jacket



Variants

Part No.	Description	No. of tubes	No. of fibers	Diameter (mm)	Weight (kg/km)	Tensile (N)	Crush (N/dm)
NFC05AL03-4	FTTH 4f 2.2mm	1	4	2.2	8.5	250	1000
NFC05AL03-8	FTTH 8f 3.0mm	1	8	3.0	10.0	300	1500
NFC05AL03-12	FTTH 12f 3.0mm	1	12	3.0	10.5	300	1500
NFC05AL03-24	FTTH 24f 3m.0m	1	24	3.0	11.0	300	1500