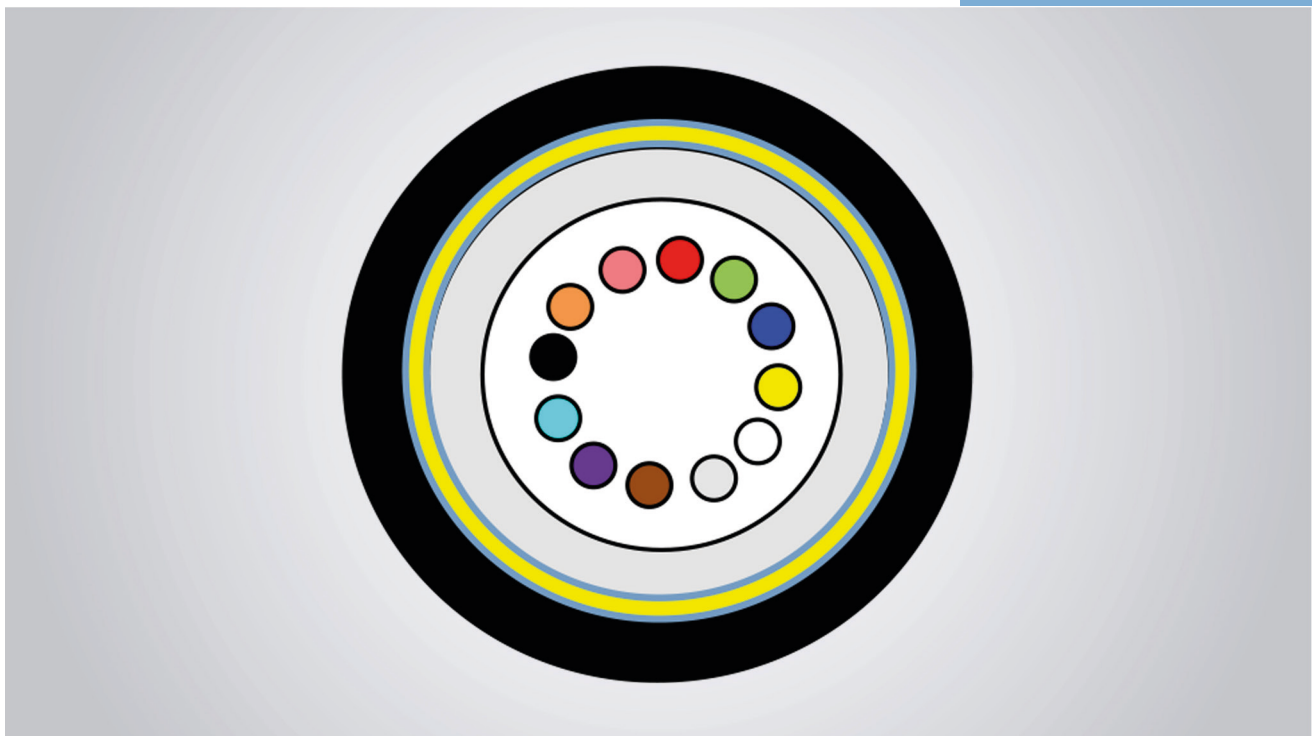


LAN-OPTIC

Mikro kabel 12xOS2 PE kappe



Anvendelse

Anvendes i datainstallationer ved lange strækninger, hvor der ønskes stor båndbredde over lange afstande.

Specielt egnet til blæsning eller spuling i rør også velegnet til direkte nedgravning.

Kablet afsluttes 3 m indenfor første brandcelle.

Specifikation

Konstruktion: Loose Tube

Antal fiber: 12

Fiberstørrelse: 9 my

Kappe: PE

Farve: Sort

Trækstyrke: 1000N

Standard: G657A1

Oplægning: 4000m

LAN-OPTIC

Cable Design

Central Loose tube-Dielectric-Single Sheath- G.652D/G657A1Fiber



- **Central loose tube:** PC and PBT Loose tube , filled with a suitable water tightness compound, containing 12 fibers.
- **aramid yarns:** reinforcement members
- **Outer Sheath:** Black HDPE

Cable Specification

Cable Cores		12
No. of Fibers		12
Tube- Φ	mm	1.7 ± 0.05
The Thickness of outer sheath	mm	0.4 ± 0.1
Max. Cable Diameter	mm	2.5 ± 0.1
Nominal Cable Weight	Kg/km	5

Cable Application

Temperature Range		Minimum Bend Radius	
Transportation & Storage	-20~+60°C	Load	20×D
Operation	-20~+60°C	Unload	10×D

Main Mechanical and Environmental Characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Tensile	IEC 60794-1-2-E1	50N, 1min	$\Delta\alpha$ reversible, fiber strain \leq 0.2%
		25N, 10min	$\Delta\alpha$ reversible, fiber strain \leq 0.1%
Crush	IEC 60794-1-2-E3	500N, 5min, 3times	$\Delta\alpha$ reversible, no damage
Impact	IEC 60794-1-2-E4	1J, R=300mm, 3times	$\Delta\alpha$ reversible, no damage
Repeated Bending	IEC 60794-1-2-E6	R=20D, 25N, 25cycles	$\Delta\alpha$ reversible, no damage
Temperature Cycling	IEC 60794-1-2-F1	-20~+60°C, 2cyces, 8h	$\Delta\alpha$ reversible,, no damage

Fiber & Tube Color

Color Identification of Fiber

Number	1	2	3	4	5	6	7	8	9	10	11	12
Color	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink

Color Identification of Tube

Number	1
Color	Natural

Cabled Fiber Performance (G.657A1)

Characteristics		Acceptance Value
Attenuation	@1310nm	≤ 0.35 dB/km
	@1383nm	≤ 0.34 dB/km
	@1550nm	≤ 0.22 dB/km
	@1625nm	≤ 0.23 dB/km
Mode Field Diameter	@1310nm	8.8 ± 0.6 μ m
Dispersion	@1300 +30/-15nm	≤ 3.5 ps/(nm·km)
	@1550nm	≤ 18 ps/(nm·km)
	@1625nm	≤ 22 ps/(nm·km)
Zero-Dispersion Wavelength		1300nm ~ 1324nm
Zero-Dispersion Slope		≤ 0.092 ps/(nm ² ·km)
Cable Cutoff Wavelength λ_{cc} (nm)		≤ 1260 nm
Macrobend loss	15mm radius, 10 turn, @1550	≤ 0.25 dB
	15mm radius, 10 turn, @1625	≤ 1.0 dB
	10mm radius, 1 turn, @1550	≤ 0.75 dB
	10mm radius, 1 turn, @1625	≤ 1.5 dB
Cladding Diameter		125 ± 0.7 μ m
Coating Diameter (Uncolored)		245 ± 10 μ m
Cladding Non-circularity		$\leq 0.7\%$
Core/Cladding Concentricity Error		≤ 0.6 μ m
Proof Test		≥ 0.69 GPa (100kpsi)
Dynamic Fatigue		≥ 20