

LAN-OPTIC

Fiberkabel 24x9/125 (2x12) LSZH gul
inden/udendørs LAN-OPTIC OS2



Anvendelse

Anvendes i datainstallationer som backbone eller ved lange afstande, hvor der ønskes stor båndbrede.

Kablet kan vendes inde/udendørs.

Skal føres i rør ved udendørs installationer.

Varenr.: 232553

EANr.: 5706683023941

Specifikation

Konstruktion: Loose Tube

Antal fiber: 24 (2 x 12)

Fiberstørrelse: 9 my

IOR, 1310nm: 1.467

IOE, 1550 nm: 1.468

IOE, 1625 nm: 1.468

Kappe: LSZH

Farve: Gul

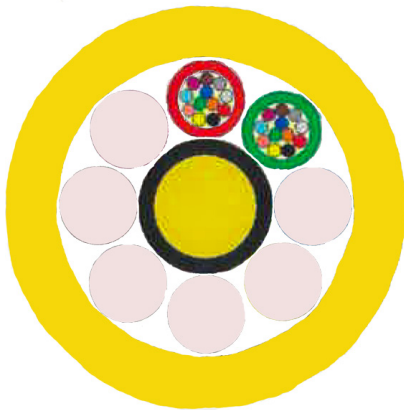
Trækstyrke: 1000 N

Standard: OS2 G657 A1

CRR: ECa

Oplægning: 4000m

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- **Central Strength Member (CSM):** glass fibre reinforced plastic rod (FRP) with plastic overshathing when needed.
- **Loose Tube:** thermoplastic material, containing optical fibres and filled with a suitable water tightness compound.
- **Filler Elements:** thermoplastic rods, where needed.
- **Stranding:** loose tubes (and fillers), SZ stranded around the CSM.
- **Longitudinal Water Tightness:** dry core with water swellable elements.
- **Outer Sheath:** HFFR, one ripcord beneath.

Application and installation

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections.

With its FireBur® LSHF sheathing this cable is ideal for mixed indoor and outdoor installation. It is equally suited for installation in ducts and on trays.

Standards

ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1

Flame resistance

IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2

Construction

Loose tube	Ø2.8 mm jelly filled loose tube with 2 - 16 fibres; Ø3.5 mm loose tube with 24 fibres			
Fibre colour code	1	Red	13	Yellow w/mark every 70 mm
	2	Green	14	White w/mark every 70 mm
	3	Blue	15	Grey w/mark every 70 mm
	4	Yellow	16	Turquoise w/mark every 70 mm
	5	White	17	Orange w/mark every 70 mm
	6	Grey	18	Pink w/mark every 70 mm
	7	Brown	19	Yellow w/mark every 35 mm
	8	Violet	20	White w/mark every 35 mm
	9	Turquoise	21	Grey w/mark every 35 mm
	10	Black	22	Turquoise w/mark every 35 mm
	11	Orange	23	Orange w/mark every 35 mm
	12	Pink	24	Pink w/mark every 35 mm
Strength member	Waterblocked E-Glass fibre elements			
Sheath	1.0 mm yellow FireBur® sheath, UV stabilised, IEC 50290-2-27			
Sheath marking	Lan-Optic fiber optic cable indoor/outdoor LSZH jacket 24(2x12)x0S2			

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Physical properties

Attribute	IEC 60794-1-2 Method	Limits
Nominal outer diameter	-	6.0 mm
Nominal weight	-	40 kg/km
Maximum installation tensile strength	E1	1000 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	750 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	500 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	1500 N
Impact	E4	15 Nm (no attenuation change, no broken cable elements)
Torsion	E7	5 cycles \pm 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 100 mm
Min. bending radius, unloaded	E11	R = 60 mm
Min. bending radius, loaded	-	R = 100 mm
Temperature range	F1	Storage: -40°C to +60°C Installation: -30°C to +40°C Operation: -30°C to +60°C.
Water penetration	F5B	No water on free end
Heat of combustion		630 MJ/km = 0,18 kWh/m