

Stranded loose tube cable LSZH: I-B(ZN)BH

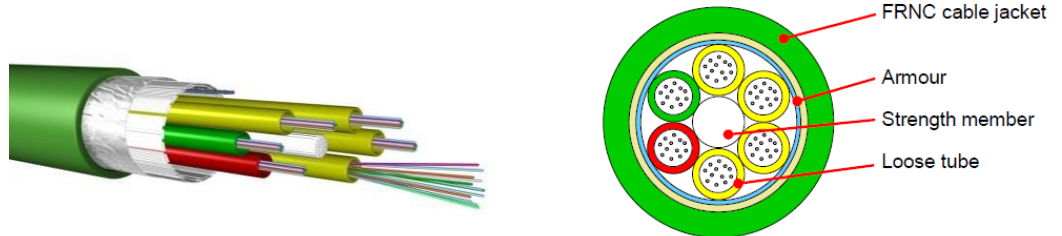
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Cable construction

Fiber⁽¹⁾	OM4, OS2
Loose tube	Ø2.4 mm unfilled loose tube with 12 color-coded fibers
Strength member	Ø2.5 mm FRP rod
Armour	Multifunctional glass yarns (strain relief & non-metallic rodent protection)
Sheath	0.9 mm FRNC, UV stabilised (color depending on fiber type)

⁽¹⁾For more fiber details see fiber data sheet



Application

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

With its FRNC sheathing this cable is ideal for indoor installations. It is equally suited for universal (indoor / outdoor) installation in ducts and trays. Rodent protection is implemented by glass yarn.

Standards

ISO 11801:2011	IEC 60794-2
EN 50173-1	IEC 60794-2-20
EN 187 000	IEC 60794-2-21

Fire rating

IEC 60332-1-2	Test for vertical flame propagation for a single insulated wire or cable
IEC 60754-1	Determination of the halogen acid gas content during the combustion
IEC 60754-2	Determination of degree of acidity of gases evolved during the combustion
IEC 61034-2	Measurement of smoke density of cables burning under defined conditions
EN 50575	Confirming to European regulation "CPR"
EN 50575	Cca-s1a, d0, a1; DoP S2202

Physical properties

Fiber count	12-48	
Outer diameter	8.8 mm	
Weight	85 kg/km	
Tensile force		
permanent	2500 N	IEC 60794-1 E1
Compressive strength	2000 N/10cm	IEC 60794-1-E3
Impact (no damage)	20 Nm	IEC 60794-1-E4
Torsion	5 cycles	IEC 60794-1-E7
Bending radius		
with load	≥ 150 mm	
without load	≥ 150 mm	IEC 60794-1-E11
Temperature range		
storage	-25°C ... +60°C	
during installation	-5°C ... +40°C	
during operation	-25°C ... +60°C	IEC 60794-1-F1
Water penetration	No water on free end	IEC 60794-1-F5B

Fiber color code

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

Order information

Number of fibers	50/125 µm (OM43)	50/125 µm (OM4)	9/125µm (OS2; G657.A2)
1 x 12	844635	845603	845606
2 x 12	845601	845604	845607
4 x 12	845602	845605	845608