

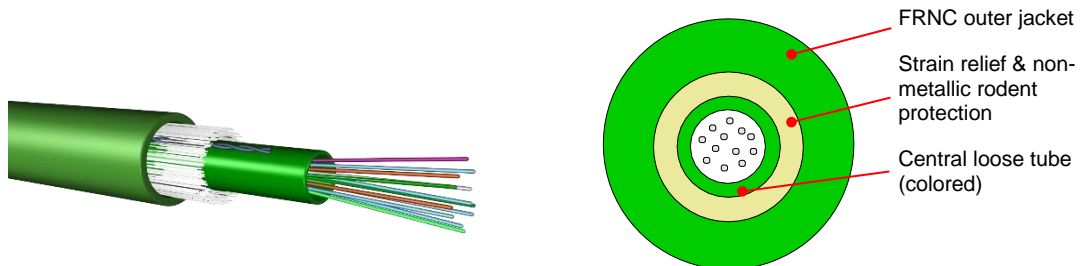
Central tube cable LSZH: I-B(ZN)BH

Source code: W



Cable construction	Fiber⁽¹⁾	OM4, OS2 (G657.A2)
	Loose tube	unfilled loose tube
	Strength member	E-glass yarn
	Sheath	1.0 mm FRLSZH, UV stabilized

⁽¹⁾For more fiber details see fiber data sheet



Application With its FRNC sheathing this cable is ideal for fixed indoor installations. It is equally suited for universal (indoor / outdoor) installation in ducts tubes and trays. Non-metallic rodent protection is implemented by glass yarn. It is not suitable for underground laying (direct buried). Mechanical installation by winch is permitted only when using force meters with recording function.

Standards
 ISO 11801:2011
 EN 50173-1
 IEC 60794-2-20

Fire rating	IEC 60332-1-2	Test for vertical flame propagation for a single insulated wire or cable
	IEC 60332-3-24 Cat.C	
	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	B2ca, s1a, d0, a1; DoP C2101	

Physical properties	Fiber count	4-12	24
	Outer diameter	6.5 mm	7.0 mm
	Weight	46 kg/km	51 kg/km
	Loose tube diameter	3.0 mm	3.5 mm
	Thermal load	0.62 MJ/m	0.68 MJ/m
	Tensile force max.		
	Short-term	1500 N	IEC 60794-1-E1
	Crush resistance		
	long-term	1500 N/10cm	IEC 60794-1-E3
	Torsion	5 cycles	IEC 60794-1-E7
	Bending radius min.		
	static	15 x outside diameter	
	dynamic	20 x outside diameter	IEC 60794-1-E11A
	Impact resistance	3 impacts, 2.0 Nm, R = 12.5 mm	IEC 60794-1-2-E4
	Temperature range		
transport & storage	-25°C ... +70°C		
during installation	-5°C ... +50°C		
in operation	-25°C ... +60°C	IEC 60794-1-F1	
Chemical characteristics	No resistance to oil, petrol, acid and leach		

Fiber color codes

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

(always with black ring marking, except transparent)

Order Information**Item numbers**

Fiber type	OM4 – 50/125µm	OS2 (G657.A2) 9/125µm
Jacket color	heather-violet	yellow
Number of fibers		
4	844631	844633
6	842586	842589
8	842587	842590
12	842588	842591
24	844632	844634