

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

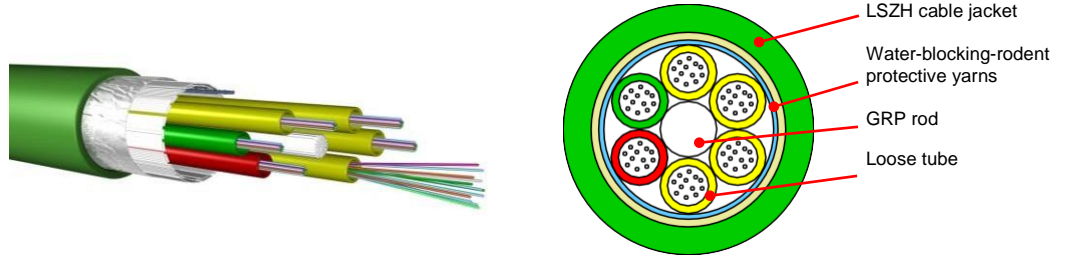
Source code: T

D_{ca}
CPR

Cable construction

Fiber⁽¹⁾	OM2, OM3, OM4, OS2
Loose tube	dry loose tube with up to 12 fibers
Strength member	GRP central element
Water blocking	Reinforced fiberglass yarns
Sheath	LSZH, green

⁽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. Non-metallic rodent protection is implemented by glass yarn.

With its LSZH sheathing this cable is ideal for mixed installations. It is equally suited for installation in ducts and trays.

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	Dca-s2, d2, a1; DoP C1112

Physical properties

Fiber count	12f – 72f (64f)	64f / 96f	144f	
Outer diameter	8.3 ±0.5 mm	9.8 ±0.5 mm	11.5 ±0.5 mm	
Weight	64 - 67 kg/km	98 kg/km	137 kg/km	
Tensile force				
installation	3000 N	2700N		
operation	1800 N	1800 N		IEC 60794-1-21-E1
Crush	1500 N/10cm			IEC 60794-1-21-E3
Bending radius				
installation	20 x outer Ø			
operation	10 x outer Ø			IEC 60794-1-21-E11
Temperature range				
storage	-20°C ... +70°C			
installation	-10°C ... +40°C			
operation	-20°C ... +60°C			IEC 60794-1-22-F1
Water penetration	No water on free end			IEC 60794-1-F5B

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

Tubes color code Red – Green – Natural - ... - Natural.
Passive tubes are colored black

Fiber / Tube information

Fiber count	12	24	32	48	64	72	96	144
Fibers / tube	12	12	8	12	8	12	12	12
Total tubes	6	6	6	6	8	6	8	12

Order information

Item number

Fiber count		50/125 µm (OM2)	50/125 µm (OM3)	50/125 µm (OM4)	9/125µm OS2; G652.D
1 x 12	12f	848068T	848074T	848526T	849561T
2 x 12	24f	848069T	848075T	849556T	849562T
4 x 08	32f				849563T
4 x 12	48f	848070T	848076T	849557T	849564T
8 x 08	64f				849565T
6 x 12	72f	848071T	848077T	849558T	849566T
8 x 12	96f	848072T	848523T	849559T	849567T
12 x 12	144f	848073T	848525T	849560T	849568T