Central loose tube cable LSZH: U-DQ(ZN)BH
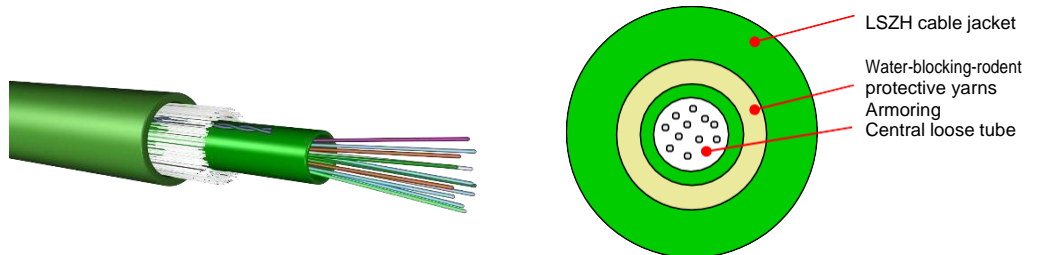Source code: T

D$_{ca}$ CPR

Cable construction

Fiber[1]	OM2, OM3, OM4, OS2
Loose tube	Jelly filled loose tube with 2-24fib ers
Strength member	
Water blocking	Reinforced fiberglass yarns
Sheath	LSZH, Green

[1]For more fiber details see fiber data sheet

LSZH cable jacket

Water-blocking-rodent
protective yarns
Armoring
Central loose tube

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.

Armor in non-metallic rodent protection & water blocking glass yarns implemented.

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

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 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 C1012**

Physical properties

Fiber count	2f - 12f	24f	
Outer diameter	7.0 $^{±0.3}$ mm	8.0 $^{±0.3}$mm	
Weight	57 kg/km	74 kg/km	
Rodent protection	Yes – Non-metallic armor enhancement		
Tensile force			
installation	1800 N		
permanent	1000 N		IEC 60794-1-21 E1
Compressive strength	2000 N/10cm		IEC 60794-1-21 E3
Impact (no damage)	10 J		IEC 60794-1-21 E4
Bending radius	15 x outer diameter		IEC 60794-1-21 E11
Temperature range			
storage	-30°C … +70°C		
during installation	-10°C … +40°C		
during operation	-30°C … +70°C		IEC 60794-1-22 F1
Water penetration	No water on free end		IEC 60794-1-22 F5B

Fiber color code

1	Red	13	Red w/black mark
2	Green	14	Green w/black mark
3	Blue	15	Blue w/black mark
4	Yellow	16	Yellow w/black mark
5	Grey	17	Grey w/black mark
6	Violet	18	Violet w/black mark
7	Brown	19	Brown w/black mark
8	Orange	20	Orange w/black mark
9	White	21	White w/black mark
10	Pink	22	Pink w/black mark
11	Black	23	Natural w/black mark
12	Turquoise	24	Turquoise w/black mark

Order Information

	Item numbers			
Number of fibers	50/125 µm (OM2)	50/125 µm (OM3)	50/125 µm (OM4)	9/125µm (OS2 / G562.D)
2				848062T
4		839791T	839796T	840483T
6		839792T	839797T	840484T
8	839793M2T	839793T	839798T	840485T
12		839794T	839799T	840486T
24		839795T	839800T	840487T

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