A-DQ(BN)(SR)H-CLT

Steel-armoured central loose tube, LSZH

FIBERS	OUTER JACKET	PROTECTION
2-12	LSZH	Steel tape



Indicative construction. Fiber count and colors vary by configuration.

Overview

Central loose-tube construction combining metallic armour with an LSZH/HFFR sheath for ducted campus links and indoor/outdoor transition routes.

Construction

- LSZH / HFFR outer sheath
- Corrugated steel tape armour
- Water-blocking glass yarn / ripcord
- PBT central loose tube, 2.8 mm
- Thixotropic jelly and optical fibers

Applications

- Indoor / outdoor campus links
- Duct and conduit installation
- Secondary distribution and FTTB
- Routes requiring metallic mechanical protection

Features

Gel-filled central loose tube | Corrugated steel tape armour | LSZH / HFFR outer sheath | Water-blocking glass yarn and ripcord

Referenced standards

IEC 60754-1; IEC 61034-1/2; IEC 60332-1; IEC 60794-1/2.

Referenced standards do not establish a CPR class or a separate fire-resistance rating. Request the documents matching the supplied construction.

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Specifications are not contractual and may change. Confirm the final construction and applicable documents before ordering.

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Technical specifications

Construction data

Loose-tube diameter	2.8 mm
Tube material	PBT
Strength members	Water-blocking glass yarn
Armour	Corrugated steel tape
Outer jacket	LSZH / HFFR

Dimensional and mechanical schedule

Documented fiber counts	Cable OD / mm	Weight / kg/km
2 / 4 / 6 / 8 / 12	7.5	90

Optical characteristics

Fiber grade	Core / cladding / µm	Wavelength / nm	Max. loss / dB/km
G.652.D	9/125	1550 / 1310	0.22 / 0.36
OM2	50/125	850 / 1300	3.0 / 1.0
OM3	50/125	850 / 1300	2.8 / 0.8
OM4	50/125	850 / 1300	2.7 / 0.7

General performance

Tensile, service / installation	800 / 1200 N
Crush resistance	1000 N (E3)
Minimum bending radius	20D
Temperature range	-30 to +70 °C
Outer jacket	LSZH / HFFR

LSZH describes the jacket material. A CPR Euroclass must be established by the documents for the ordered cable; it is not inferred from the material or armour.

D = outer cable diameter. Service / installation = permanent / temporary tensile load.

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