I-V(ZN)HH Nx1

Longitudinal breakout cable, LSZH

FIBERS	OUTER JACKET	PROTECTION
2-24	LSZH	Aramid



Indicative construction. Fiber count and colors vary by configuration.

Overview

An indoor breakout cable with longitudinally applied 2.0 mm simplex sub-units. Each sub-unit contains a 900 µm tight-buffered optical fiber and aramid yarn for direct termination and fan-out routing.

Construction

- LSZH outer sheath
- Longitudinally applied 2.0 mm sub-units
- Aramid yarn
- Ripcord
- 900 µm tight buffers and optical fibers

Applications

- Vertical riser and horizontal indoor distribution
- LAN / WAN and FTTx links
- Fan-out to different locations
- Direct termination in the field

Features

Dry, all-dielectric construction | Direct termination | LSZH sheath for indoor routing | Flexible, compact design

Referenced standards

DIN VDE 0888 Part 6; IEC 61034; IEC 60332-1/2; IEC 60754-2; 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.

UPCOM Telekomunikasyon | Istanbul, Turkey
info@upcom.com.tr | +90 535 765 1857 | www.upcom.com.tr

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

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Technical specifications

Construction data

Strength members	Aramid yarns
Sub-unit diameter	2.0 mm
Sub-unit jacket	LSZH
Identification	Numbers / colors
Outer jacket	LSZH

Dimensional and mechanical schedule

Fibers	OD / mm	kg/km	Service / N	Install. / N
2	6.6	45	600	1000
4	6.8	52	800	1350
6	9.0	70	1200	2050
8	10.5	90	1600	2700
12	11.0	115	2400	3500
16	12.5	125	3200	3500
24	14.0	140	3500	4500

Optical characteristics

Fiber grade	Core / cladding / µm	Wavelength / nm	Max. loss / dB/km
OM1	62.5/125	850 / 1300	3.2 / 1.2
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
G.652.D	9/125	1310 / 1550	0.34 / 0.25
G.657A	9/125	1310 / 1550	0.34 / 0.22

General performance

Crush resistance	2000 N (E3)
Temperature range	-20 to +60 °C (F1)
Minimum bending radius	20D (E11)

This schedule describes the longitudinal Nx1 construction. Do not substitute the dimensional schedule of the separate SZ-stranded breakout product. Glass-yarn rodent-resistant versions are configuration-specific.

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

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