I-V(ZN)H Drop

Round indoor drop / distribution cable

FIBERS	OUTER JACKET	PROTECTION
2-24	**LSZH**	**Aramid**



Indicative construction. Fiber count and colors vary by configuration.

Overview

A round, dry, non-metallic LSZH cable with tight-buffered fibers and aramid yarn. Intended for indoor drops, risers, working-area links and direct connector fitting.

Construction

- Round LSZH outer sheath
- Aramid yarn reinforcement
- 900 µm LSZH tight buffers
- Coated optical fibers

Applications

- Indoor distribution, riser and horizontal links
- Shafts and underfloor routes
- Fiber to the desk (FTTD)
- Direct connector assembly and adapter cables

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.

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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

Strength members	Aramid yarn
Tight-buffer diameter	900 ±50 µm
Tight-buffer jacket	LSZH
Identification	Colors and black ring colors
Outer jacket	LSZH

Dimensional and mechanical schedule

Fibers	OD / mm	kg/km	Service / N	Install. / N
2	4.5	26	400	600
4	5.5	31	400	600
6	6.0	42	600	1000
8	6.8	48	600	1000
12	7.2	54	800	1200
16	8.0	67	1000	1600
24	8.6	85	1200	2000

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

Tight buffer diameter	900 ±50 µm
Crush resistance	1000 N (E3)
Minimum bending radius	20D
Temperature range	-20 to +60 °C
Maximum published length	2000 m

This round indoor cable is a different construction from the aerial messenger drop cables on the following pages. Select the route and required protection before selecting fiber count.

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

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