

I-A-V(ZN)H(BN)H

Non-metallic reinforced tight-buffer cable

FIBERS

2-24

OUTER JACKET

LSZH

PROTECTION

Non-metallic



Indicative construction. Fiber count and colors vary by configuration.

Overview

A dry tight-buffer construction with non-metallic glass yarn protection and inner HFFR bedding for indoor distribution and direct-termination applications.

Construction

- LSZH outer sheath
- Non-metallic glass yarn protection
- HFFR inner jacket
- Yarn-reinforced 900 µm tight buffers
- 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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Technical specifications

Construction data

Strength members	Aramid yarn or glass 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 is a non-metallic construction. The glass yarn protection must not be described as corrugated steel armour. Match the ordered count to the dimensional and tensile schedule above.

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

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