

A-V(ZN)H(SR)2Y

Steel-armoured tight-buffer mini-breakout

FIBERS

2-12 / 24*

OUTER JACKET

PE / LSZH*

PROTECTION

Steel tape



Indicative construction. Fiber count and colors vary by configuration.

Overview

A dry, tight-buffered distribution cable with an inner jacket and corrugated steel tape armour. The PE-jacketed construction is intended for protected outdoor and duct applications.

Construction

- UV-resistant PE outer sheath
- Corrugated steel tape armour
- Inner jacket / bedding
- Yarn-reinforced 900 µm tight buffers
- Optical fibers

Applications

- Campus, inter-building and FTTB links
- Ducts and conduits
- Dry outdoor distribution routes
- Direct burial for the specified PE-jacketed version

Features

Dry tight-buffer design | Direct field termination | Steel-tape crush and rodent protection | UV-resistant PE version for outdoor use

Referenced standards

EN 50173-1; IEC 60754-2; IEC 60794-1/2; IEC 60793-1/2; IEC 60332-1/2. Applicability depends on the ordered jacket version.

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

Tight-buffer diameter	900 ±50 µm
Reinforcement	Aramid / glass yarn by construction
Armour	Corrugated steel tape
Jacket options	PE outdoor; LSZH by configuration
Inner jacket / bedding	Confirm in the order-specific construction drawing

Dimensional and mechanical schedule

Fibers	OD / mm	kg/km	Service / N	Install. / N
2	10.5	140	1000	1800
4	11.0	150	1000	1800
6	11.5	160	1200	2000
8	12.0	175	1200	2000
12	13.3	220	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

General performance

Tight buffer diameter	900 ±50 µm
Crush resistance	2000 N (E3)
Minimum bending radius	20D
Temperature range	-20 to +60 °C
Jacket options	PE outdoor; LSZH by configuration

The dimensional table covers 2-12F. Counts up to 24F and LSZH alternatives require a separate schedule. Confirm inner/outer jacket materials in the order-specific construction drawing.

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

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