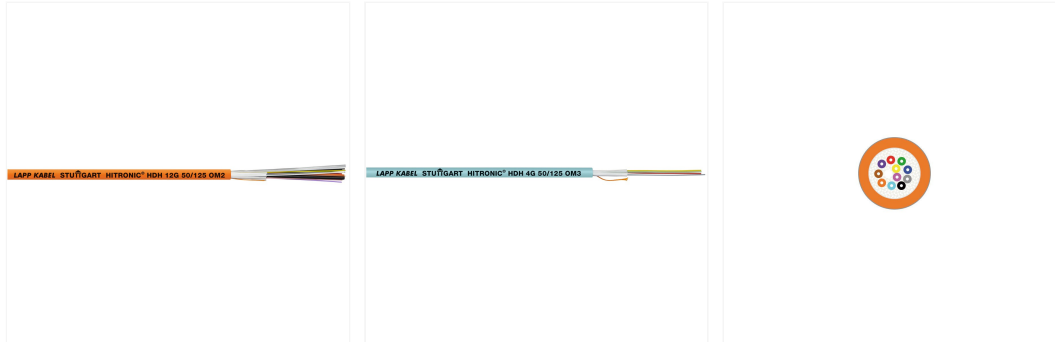


HITRONIC® HDH 2G 50/125 OM2**Article No.:** 26010202

Fiber optic cable; GOF; 2x OM2; J-optical indoor cables: J-V(ZN)H; Fixed Installation; Glass yarns; Halogen-free compound; orange



Details

Benefits

- Fiber optic cables with glass optical fiber (GOF) have a high data transmission rate and range.
- Easy to handle thanks to flexible and compact design.
- Allows assembly on site as a breakout cable.
- With reinforced glass yarn for strain relief.
- With halogen free LSZH outer jacket to meet special fire protection requirements.
- No electromagnetic interference from non-metallic materials is generated inside the cable.
- Available in different GOF fiber categories (OM1 - OM4, OS2).

Application

- For use in backbone network areas.
- For fixed and protected installation in installation ducts, in cable trays, in the riser zone, in hollow ceilings and floors, as well as for short distances.
- Can be used in dry and damp rooms.
- The LSZH outer jacket is highly resistant to acids and alkaline solutions.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

Brand	HITRONIC®
Product type	Fiber optic cable
Fiber optic cable type	GOF
Type of fibre optic cable long description	Glass Fiber Optic

Electrical parameters

Wavelength information	For 850 nm applies 3.5 dB / km as well as 500 MHz*km For 1300 nm applies 1.5 dB / km as well as 500 MHz*km
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Product design

Numerical aperture	0.2
J-optical indoor cables classification of optical cable	J-V(ZN)H Divisible breakout cable
Number of cores	2
With armoring	No
Strain relief with	Glass yarns
Type of optical fibre	Multi-mode Fiber
Number of fibres	2
Number of fibers per core	1
Nominal outer diameter	0.236 in

Cable form	Round
Fiber core diameter	50 µm
Diameter fibre cladding	125 µm
Diameter of primary coating	242 µm
With solid wire jacket	Yes
Basic material of the fiber core	Glass
Base material fibre cladding	Glass
Basic material of outer jacket	Halogen-free compound
Base material of outer sheath, shortname	LSZH
Outer jacket color	orange
Colour outer sheath RAL code	RAL 2003
Core identification	Colors

Product features

Application area	Fixed Installation
For permanent bending	Yes
For torsional load	No
Windable	Yes
Suitable for EX-applications	No
Minimum bending radius, stationary	15 x outer diameter
Minimum bending radius in inch, fixed installation	3.543 in
Tensile force fixed installation	650 N
Tensile force, short-term	1,100 N
Temperature, fixed installation	-20 °C to 70 °C
Temperature, fixed installation max	70 °C
Temperature, fixed installation min	-20 °C
Temperature, occasionally moved	0 °C to 50 °C
Temperature, occasionally moved max	50 °C
Temperature, occasionally moved min	0 °C
Installation temperature min.	0 °C
Max. assembly temperature	50 °C
Flame-retardant	Yes
UV-resistant	No

Halogenfree	Yes
Halogen-free according to	IEC 60754-1
Oil resistant	No
PWIS-free	No
Longitudinally watertight	No
Laterally watertight	No
Fast Connect (FC) cable	No
Optical cable, type of tube	Full Core
Optical cable, insert	Indoor
Optical cable, fiber category	OM2

Certifications and standards

Product standard according to IEC	IEC 60794
CPR fire class	Eca
Resistance to flame propagation tested according to UN/ECE-R118	No

HITRONIC® HDH mini-breakout cable

Article No.	Name	Fiber core diameter	Diameter fibre cladding	Diameter of primary coating	Optical cable, fiber category	Number of cores	Number of fibers per core	Number of fibres	Nominal outer diameter
26010202	HITRONIC® HDH 2G 50/125 OM2	50 µm	125 µm	242 µm	OM2	2	1	2	0.236 in
26010304	HITRONIC® HDH 4G 50/125 OM3	50 µm	125 µm	242 µm	OM3	4	1	4	0.236 in
26010308	HITRONIC® HDH 8G 50/125 OM3	50 µm	125 µm	242 µm	OM3	8	1	8	0.295 in
26010312	HITRONIC® HDH 12G 50 /125 OM3	50 µm	125 µm	242 µm	OM3	12	1	12	0.327 in

V1.1