



Application

For the installation inside buildings, for the building backbone (riser) and horizontal cabling.

Fire behaviour

Euroclass	Dca
Smoke development	s1
Burning droplets	a1
Acidity of combustion gases	d1
Flame retardant	IEC 60332-3-24
Halogen free	IEC 60754-1
Smoke density	IEC 61034-2
Fire load	see table
Corrosivity	pH ≥ 4,3; max. 10µS/mm acc. to IEC 60754-2

Construction

Construction	I-K(ZN)H
Outer jacket	Ø see table; halogen free, flame retardant (FRNC/LSZH)
Weight	see table
Cable marking	TELEGÄRTNER Mini-Breakout - "Standard cable print" "fire classification" "sequential length in meters"
Cable core	Semi-tight buffer
Fiber colour code	1-12: red-natural-yellow-blue-green-violet-brown-black-orange-turquoise-pink-white 13-24: red-natural-yellow-blue-green-violet-brown-grey-orange-turquoise-pink-white <u>with rings</u>
Strain member	Aramid

Mechanical properties

Fiber count	Outer diameter	Weight	Bending radii	Fire load
4	4,8 mm	19 kg/km	Long-term: 48 mm Short-term: 96 mm	294 kJ/m
8	5,3 mm	25 kg/km	Long-term: 53 mm Short-term: 106 mm	351 kJ/m

Bending radius long-term	acc. to IEC 60794-1-21-E11
Bending radius short-term	acc. to IEC 60794-1-21-E6
Tensile strength	400 N acc. to IEC 60794-1-21-E1
Crush resistance	acc. to IEC 60794-1-21-E3
Operation (long-term)	300 N/dm
Installation (short-term))	500 N/dm

Thermal properties

Temperature range	acc. to IEC 60794-1-22-F1
Storage	-30 to +70 °C
Installation	-5 to +50 °C
Operation	-30 to +70 °C

Optical properties

See fiber data sheets T00004A0014 (Singlemode), T00004A0015 (Multimode 50 µm) and T00004A0016 (Multimode 62,5 µm)

Ordering information

Order no.	Standard Cable print	Jacket colour	Barcode EAN13	Fiber count	Fiber type
L08021K1104	I-K(ZN)H 4G50/125 OM2	orange	4018359237011	4	OM2 BI
L08021B1204	I-K(ZN)H 4G50/125 OM3	orange	4018359309688	4	OM3 BI
L08021B1208*	I-K(ZN)H 8G50/125 OM3	orange	4018359309695	8	OM3 BI
L08021C1204	I-K(ZN)H 4G50/125 OM4	orange	4018359408374	4	OM4 BI
L08021C1208**	I-K(ZN)H 8G50/125 OM4	orange	4018359408381	8	OM4 BI
L08021K1108*	I-K(ZN)H 8G50/125 OM2	orange	4018359268299	8	OM2 BI

The editions of the aforementioned standards by the time of 28.05.2020 are valid.

*Fire behaviour Euro Class Dca-s1,d2,a1

**Fire behaviour Euro Class Dca-s2,d2,a2