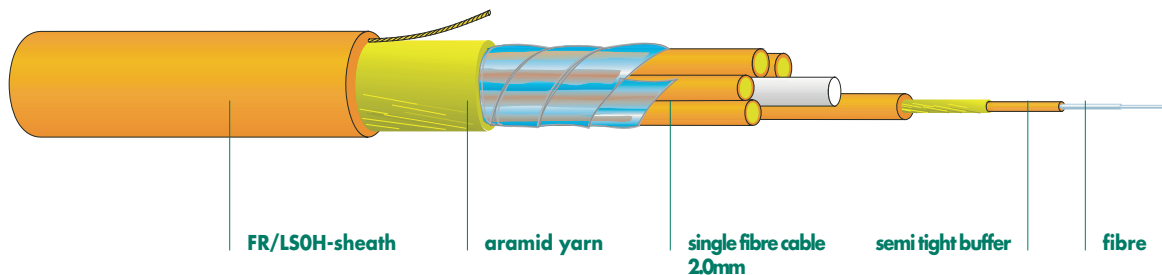


# optofil®-Indoor cable / I-V(ZN)HH

Breakout 2.0mm, FR/LSOH

semi tight buffer tube design, flame retardant according to IEC 60332.1 and IEC 60332.3-24 Kat.C



FR/LSOH-sheath

aramid yarn

single fibre cable  
2.0mm

semi tight buffer

fibre

## Product information



### Features

Robust, flexible fibre optic breakout cable based on 2 up to 12 single fibre cables with semi tight buffer tube 0.9 mm. Easy handling and simple to strip off. FR/LSOH Design for very low fire load and flame retardancy.

### Application

LAN backbone  
connection cable between main and terminal distributors  
Can be laid on cable platforms, cable trays and vertical cable shafts.  
direct connector installation  
can be spliced in cable terminal distributors

### Optical characteristics

The cables are available with different types of fibre (see fibre data sheets)

### Mechanical characteristics

temperature range	operation	-20 / +60°C IEC 60794-2-20
tensile performance	IEC 60794-1-2 E1 A	
crush resistance	IEC 60794-1-2 E3	
impact	IEC 60794-1-2 E4	
repeated bending	IEC 60794-1-2 E6	
torsion	IEC 60794-1-2 E7	
bend	IEC 60794-1-2 E11 A	

### General characteristics

sheath colour	E9/125	yellow/green
	G50/125	orange
	G50/125 OM3	turquoise
	G62.5/125	grey
Printing example	DÄTWYLER OPTOFIL 2G50 1GBE OM2 FR/LSOH	
	C-no. 10888 ~ 1850 m ~	

- Zero halogen, non corrosive gases IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
- Flame retardant IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
- Fire resistant (no flame propagation) IEC 60332-3-24 Cat.C, EN 50266-2-3 Cat.C, VDE 0482-266-2-3 Cat.C
- Minimum smoke emission IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

description I-V(ZN)HH	cable Ø mm	weight kg/km	bending radius mm	tensile load N	crush resistance		Fire load		
					continuous N/cm	short term N/cm	kWh/km	MJ/km	
Breakout	2x1	7.2	43	95	1000	100	300	247	889
Breakout	4x1	7.2	48	95	1000	100	300	259	932
Breakout	6x1	8.6	65	120	1000	100	300	365	1314
Breakout	8x1	9.7	83	145	1000	100	300	481	1732
Breakout	12x1	10.6	102	165	1000	100	300	563	2027

## Versions

I-V(ZN)HH	fibre	Article No.	Article No.	Article No.	Article No.
description	number	E9/125 G.652.D	G50/125 OM2	G50/125 OM3	G62.5/125 OM1
sheath colour green					
Breakout	2 x 1	2	191 711	191 716	191 721
Breakout	4 x 1	4	191 712	191 717	191 722
Breakout	6 x 1	6	191 713	191 718	191 723
Breakout	8 x 1	8	191 714	191 719	191 724
Breakout	12 x 1	12	191 715	191 720	191 725