

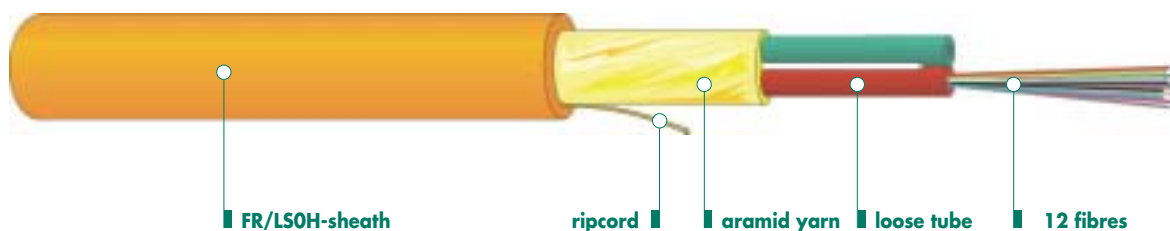


Optofil-Indoor cable

KFR/LSOH HighP

nonmetallic, dry interstices, non armoured,
flame retardant to IEC 60332.1
and IEC 60332.3 C

Dätwyler



FR/LSOH-sheath

ripcord

aramid yarn

loose tube

12 fibres

Product information

Features

Easy to lay, fibre optic Indoor cable in loose tube design without dummy element and strenght member.
Easy handling cable construction with a small overall diameter.
The coloured ripcord is easy to identify for safe opening of the cable sheath.
Flame retardant and halogen free due to the FR/LSOH sheath.

Application

LAN Backbone
Connection cable between main and terminal distributors
Can be laid in ducts, cable platforms, cable trays and vertical cable shafts.
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	-10 / +60°C	EN 60794-1-2 F1
tensile performance			EN 60794-1-2 E1
crush resistance			EN 60794-1-2 E3
impact			EN 60794-1-2 E4
repeated bending			EN 60794-1-2 E6
torsion			EN 60794-1-2 E7
bend			EN 60794-1-2 E11

general characteristics

sheath colour	E9/125	yellow (green)
	G50/125	orange
	G62.5/125	grey
Printing	Dätwyler Optofil 24 G50 KRF/LSOH HighP	
	C-no. 10895 ~ ~ 4660 m ~ ~	

 Zero halogen,
non-corrosive gasses

(DIN VDE 0472-813) new: DIN VDE 0482-267,
EN 50267 (CENELEC HD 602), IEC 60754-2

 Self-extinguishing

(DIN VDE 0472-804) new: DIN VDE 0482-265,
EN 50265 (CENELEC HD 405.1), IEC 60332-1

 Minimum fire propagation

DIN VDE 0472-804/testing method C,
CENELEC HD 405.3, IEC 60332-3 cat. C

 Minimal smoke

(DIN VDE 0472-816) new: DIN VDE 0482-268,
EN 50268 (CENELEC HD 606), IEC 61034

description I-D(ZN)H nxm	no. of fibres max.	loose tube max.	cableØ mm	weight kg/km	bending radius mm	tensile load N	crush resistance		Fire load	
							continuous N/cm	short term N/km	kWh/km	MJ/km
Optofil/l	12	1	6.2	41	93	1000	100	250	231	832
Optofil/l	24	2	8.2	72	125	1000	100	250	307	1105

Versions

I-D(ZN)H nxm	fibre	Article No.	Article No.	Article No.
description	number	E9/125 - green	G50/125	G62.5/125
Optofil/l 1 x 4	4	on request	178 224	178 676
Optofil/l 1 x 6	6	178 881	178 226	178 717
Optofil/l 1 x 8	8	on request	178 228	178 209
Optofil/l 1 x 12	12	186 373	178 232	178 216
Optofil/l 2 x 12	24	185 547	180 832	on request