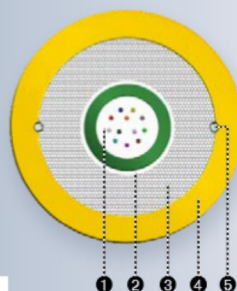
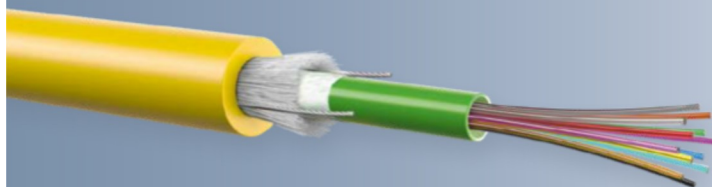


# GigaLine® "fire secured" universal cable, central with CI



BauPVo/CPR

**D<sub>ca</sub>**

## Advantages

- good fire protection profile
- low space requirements
- for universal use

System integrity on  
exposure to fire for at least  
**90 minutes**

Type KL-U-D(ZN)BH 1xn G/E

## Use

Installation cable suitable for campus/backbone cabling and structured cabling acc. to ISO/IEC 11801 and EN 50173.

Ideal for all applications from Class OF 300 to OF 10000.

Suitable for installation in applications involving more rigorous mechanical requirements as well as risk of rodent damage.

Suitable for splicing. House connections possible without additional interconnection points (splices). Installation in dry rooms, in cable ducts, on cable trays or in conduits.

## Construction

- 1 Central filled loose tube with max. 24 fibers, up to 12 fibers Ø 3.5 mm, up to 24 fibers Ø 4.0 mm,
- 2 With fire barrier  
fiber colour code acc. to IEC 60304, loose tube colour: yellow (E9/125), green (G50/125), blue (G62,5/125)
- 3 Strain relief Non-metallic (glass rovings)
- 4 Cable sheath Halogen-free, flame-retardant compound
- 5 Tear threads under the outer sheath  
Sheath colour ● Yellow

## Thermal properties

Transport/storage -40 °C to +70 °C

Installation -5 °C bis +50 °C

Operating temp. -40 °C to +60 °C

## Mechanical characteristics

Min. bend radius	static	15 x outer Ø
	dynamic	20 x outer Ø
Max. crush strength	long-term	3000 N/dm
	short-term	4500 N/dm

## Fire behaviour

Smoke density	IEC 61034
Halogen free	IEC 60754-1
Flame retardancy	IEC 60332-1-2, IEC 60332-3-22 Cat. A
Class	D <sub>ca</sub> s2 d2 a1 acc. to EN 50575 / EN 50390
DoP	CDERF0000006

## Certificates and approvals

Compliant with Construction Products Regulation (EU/305/2011): **CE**

## Other characteristics

System and	acc. to IEC 60331-11 and -25
circuit integrity	EN 50200 / DIN VDE 0482 Part 1 (90 minutes)
Max. attenuation change	3.0 dB

No. of fibers	Outside Ø approx.	Weight approx.	Max. strain relief	Fire load approx.		Order no.			
	mm	kg/km	N	MJ/m	kWh/m	OM3 bendable G50/125	OM4 bendable G50/125	OM5 bendable G50/125	OS2 E9/125
1x4	10.3	127	2500	1.03	0.29	LKD 8UA5 00B2 0000	LKD 8UA7 00B2 0000	LKD 8UA9 00B2 0000	LKD 8UC7 00B2 0000
1x6	10.3	127	2500	1.03	0.29	LKD 8UA5 00B3 0000	LKD 8UA7 00B3 0000	LKD 8UA9 00B3 0000	LKD 8UC7 00B3 0000
1x8	10.3	127	2500	1.03	0.29	LKD 8UA5 00B4 0000	LKD 8UA7 00B4 0000	LKD 8UA9 00B4 0000	LKD 8UC7 00B4 0000
1x12	10.3	127	2500	1.03	0.29	LKD 8UA5 00B6 0000	LKD 8UA7 00B6 0000	LKD 8UA9 00B6 0000	LKD 8UC7 00B6 0000
1x24	10.8	134	2500	1.28	0.36	LKD 8UA5 00B9 0000	LKD 8UA7 00B9 0000	LKD 8UA9 00B9 0000	LKD 8UC7 00B9 0000