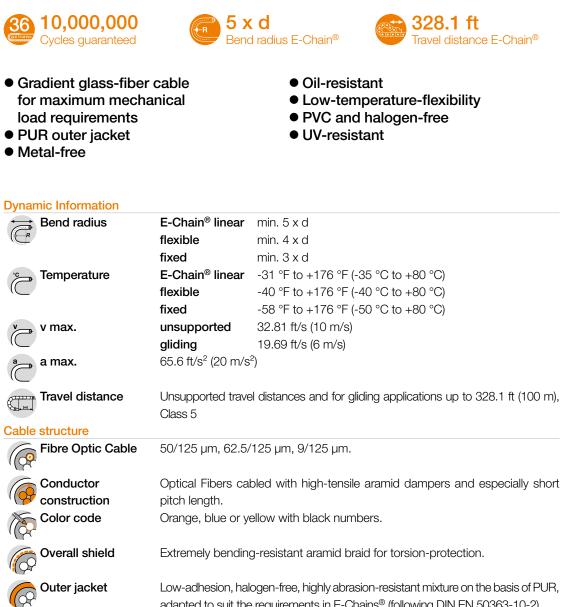
Fiber optic cable | PUR | chainflex® CFLG-LB-PUR



adapted to suit the requirements in E-Chains® (following DIN EN 50363-10-2).

Color: Jet black (similar to RAL 9005)

Class 6.5.3.1

Properties and approvals	
UV resistance	High
Oil resistance	Oil-resistant (following D
Offshore	MUD-resistant following
Flame resistance	According to IEC 60332
Silicone-free	Free from silicone which 1992)
Halogen-free	Following DIN EN 60754
UL verified	Certificate No. B129699 life calculator based on 2
DNV-GL	Type approval certificate
REACH	In accordance with regu
Routs Lead-free	Following 2011/65/EC (F
Cleanroom	According to ISO Class CF77.UL.05.12.D - teste
CECE	Following 2014/35/EU

Basic requirements Travel distance

Oil resistance

Torsion

Guaranteed service life (details see page 26-27)

Cycles*	5 million	7.5 million	10 million
Temperature, from/to [°F]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-13/+5	7.5	8.5	9.5
+5/+158	5	6	7
+158/+176	7.5	8.5	9.5
* Higher number of cycles? On	line lifetime calculation ► ww	w.chainflex.com/chainflexlife	

Igner number of cycles? Online lifetime calculation ▶ www.cnaintlex.com/cnaintlexlif

Typical application areas

- For maximum mechanical load requirements with 5 x d, Class 6
- Unsupported travel distances and for gliding applications (horizontal + vertical) up to 328 ft (100 m), Class 5
- Almost unlimited resistance to oil, Class 3
- Maximum EMC protection, with high transmission qualities
- Indoor and outdoor applications
- Offshore, ship, Storage and retrieval units for high-bay warehouses, machining units/ packaging machines, quick handling, semiconductor insertion, refrigerating sector

IQUS





DIN EN 50363-10-2), Class 3

NEK 606 - status 2009

2-1-2, FT1, VW-1

can affect paint adhesion (following PV 3.10.7 - status

4

9: igus 36-month chainflex cable guarantee and service 2 billion test cycles per year e No. 13 655-14 HH

ulation (EC) No. 1907/2006 (REACH)

(RoHS-II/RoHS-III)

1. The outer jacket material of this series complies with ted by IPA according to standard DIN EN ISO 14644-1







igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year













CE

Fiber optic cable | PUR | chainflex[®] CFLG-LB-PUR

Basic requirements Travel distance Oil resistance Class 6.5.3.1 Torsion

igus chainflex CFLG.LB.PUR

Example image

Part No.	Fiber Count	Fiber Diameter approx.	Outer diameter max.		Weight	
		[µm]	[in.]	[mm]	[lbs/mft]	[kg/km]
CFLG-2LB-PUR-62-5/125	2	62,5/125	0.33	8.5	41.7	62
CFLG-4LB-PUR-62-5/125	4	62,5/125	0.35	9.0	45.7	68
CFLG-6LB-PUR-62-5/125	6	62,5/125	0.43	11.0	64.5	96
CFLG-12LB-PUR-62-5/125	12	62,5/125	0.55	14.0	100.8	150
CFLG-2LB-PUR-50/125	2	50/125	0.33	8.5	43.7	65
CFLG-6LB-PUR-50/125	6	50/125	0.43	11.0	63.8	95
CFLG-12LB-PUR-50/125	12	50/125	0.55	14.0	107.5	160
CFLG-6LB-PUR-9/125	6	9/125	0.43	11.0	63.8	95

Order example: CFLG-4LB-PUR-62,5/125 – To your desired length CFLG-LB-PUR chainflex[®] series -4 Number of fibers -62,5/125 Fiber diameter Online order ► www.chainflex.com/CFLG-LB-PUR

Delivery time 24hrs or today. Delivery time means time until goods are shipped.

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Note: The given outer diameters are maximum values. G = with green-yellow earth core x = without earth core

Part No.	Bandwidth [MHz x km] @ 850 nm	Bandwidth [MHz x km] @ 1300 nm		Attenuation [dB/km] @ 1300 nm	Fiber identification
CFLG-2LB-PUR-62-5/125	≥ 200	≥ 500	≤ 3.5	≤ 1.5	orange with black numbers
CFLG-4LB-PUR-62-5/125	≥ 200	≥ 500	≤ 3.5	≤ 1.5	orange with black numbers
CFLG-6LB-PUR-62-5/125	≥ 200	≥ 500	≤ 3.5	≤ 1.5	orange with black numbers
CFLG-12LB-PUR-62-5/125	≥ 200	≥ 500	≤ 3.0	≤ 0.7	orange with black numbers
CFLG-2LB-PUR-50/125	≥ 500	≥ 500	≤ 3.0	≤ 1.0	blue with black numbers
CFLG-6LB-PUR-50/125	≥ 500	≥ 500	≤ 3.0	≤ 1.0	blue with black numbers
CFLG-12LB-PUR-50/125	≥ 500	≥ 500	≤ 3.0	≤ 1.0	blue with black numbers

Part No.	[dB/km]	Attenuation [dB/km] @ 1550 nm			Fiber identification
CFLG-6LB-PUR-9/125	≤ 0.35	≤ 0.25	3.5	18	yellow with black numbers











