



# chainflex<sup>®</sup> read

8 FOC 2 fibres FOC 4 fibres THI. FOC 6 fibres FOC 12 fibres

lycab	e®		
	Material	Page	
	PVC/TPE	510	
	TPE	511	
	TPE	512	
	TPE	512	



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



### Harnessed Fibre Optic Cables for video

\* Technical information on the cable quality: TPE **TPE-ROBOT** PVC from page 214 from page 220 from page 388

	Harnessed Fibre C	ptic Cables, glass-fibre, 2	2 fibres, to you	ur required leng	gth	
Cable quality	Part No.	Base article	No. of fibres	Fibre diameter	Ø	Bend radius
					[mm]	[x d]
ST/ST Conn	ector					
Pre-harnessed	l at both ends					
PVC	LWL99230001	CFLG88.2.50/125	2	50/125	7.0	7.5
PVC	LWL99230002	CFLG88.2.62.5/125	2	62.5/125	7.0	7.5
TPE H*	LWL90412394	CFLG.2LB.50/125	2	50/125	8.5	5
TPE H*	LWL90412397	CFLG.2LB.62.5/125	2	62.5/125	8.5	5
TPE H*	LWL9040086	CFLG.4LB.50/125	4	50/125	9.0	5
TPE H*	LWL9040085	CFLG.4LB.62.5/125	4	62.5/125	9.0	5
<b>TPE</b> Robot	LWL90422492	CFROBOT5.501	2	50/125	8.5	10
<b>TPE</b> Robot	LWL90422495	CFROBOT5.500	2	62.5/125	8.5	10
ST/LC Conn	ector					
Due le sur se se s		The second se	and the second se	1100		Statement Street
Pre-narnessec	at both ends					
Pre-namessec PVC	LWL99230007	CFLG88.2.50/125	2	50/125	7.0	7.5
		CFLG88.2.50/125 CFLG88.2.62.5/125	2	50/125 62.5/125	7.0 7.0	7.5 7.5
PVC	LWL99230007					
PVC PVC	LWL99230007 LWL99230008	CFLG88.2.62.5/125	2	62.5/125	7.0	7.5
PVC PVC TPE H*	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup>	CFLG88.2.62.5/125 CFLG.2LB.50/125	2 2	62.5/125 50/125	7.0 8.5	7.5 5
PVC PVC TPE H* TPE H*	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup>	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125	2 2 2	62.5/125 50/125 62.5/125	7.0 8.5 8.5	7.5 5 5
PVC PVC TPE H* TPE H* TPE H*	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125	2 2 2 4	62.5/125 50/125 62.5/125 50/125	7.0 8.5 8.5 9.0	7.5 5 5 5
PVC PVC TPE H* TPE H* TPE H* TPE H*	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093 LWL9040094	CFLG888.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125 CFLG.4LB.62.5/125	2 2 2 4 4	62.5/125 50/125 62.5/125 50/125 62.5/125	7.0 8.5 8.5 9.0 9.0	7.5 5 5 5 5
PVC PVC TPE H* TPE H* TPE H* TPE H* TPE Robot	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093 LWL9040094 LWL90422491 <sup>1)</sup> LWL90422494	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125 CFLG.4LB.62.5/125 CFLG.4LB.62.5/125	2 2 2 4 4 2	62.5/125 50/125 62.5/125 50/125 62.5/125 50/125	7.0 8.5 8.5 9.0 9.0 8.5	7.5 5 5 5 5 5 10
PVC PVC TPE H* TPE H* TPE H* TPE H* TPE Robot TPE Robot	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093 LWL9040094 LWL90422491 <sup>1)</sup> LWL90422494	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125 CFLG.4LB.62.5/125 CFLG.4LB.62.5/125	2 2 2 4 4 2	62.5/125 50/125 62.5/125 50/125 62.5/125 50/125	7.0 8.5 8.5 9.0 9.0 8.5	7.5 5 5 5 5 5 10
PVC PVC TPE H* TPE H* TPE H* TPE Robot TPE Robot LC/LC Conr	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093 LWL9040094 LWL90422491 <sup>1)</sup> LWL90422494	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125 CFLG.4LB.62.5/125 CFLG.4LB.62.5/125	2 2 2 4 4 2	62.5/125 50/125 62.5/125 50/125 62.5/125 50/125	7.0 8.5 8.5 9.0 9.0 8.5	7.5 5 5 5 5 5 10
PVC PVC TPE H* TPE H* TPE H* TPE Robot TPE Robot TPE Robot LC/LC Conr Pre-harnessed	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093 LWL9040094 LWL90422491 <sup>1)</sup> LWL90422494	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125 CFLG.4LB.62.5/125 CFROBOT5.501 CFROBOT5.500	2 2 4 4 2 2 2	62.5/125 50/125 62.5/125 50/125 62.5/125 50/125 62.5/125	7.0 8.5 9.0 9.0 8.5 8.5	7.5 5 5 5 10 10
PVC PVC TPE H* TPE H* TPE H* TPE Robot TPE Robot LC/LC Conr Pre-harnessed PVC	LWL99230007 LWL99230008 LWL90412393 <sup>1)</sup> LWL90412396 <sup>1)</sup> LWL9040093 LWL9040094 LWL90422491 <sup>1)</sup> LWL90422494 ector LWL90422494	CFLG88.2.62.5/125 CFLG.2LB.50/125 CFLG.2LB.62.5/125 CFLG.4LB.50/125 CFLG.4LB.62.5/125 CFROBOT5.501 CFROBOT5.500 CFROBOT5.500	2 2 4 4 2 2 2	62.5/125 50/125 62.5/125 50/125 62.5/125 62.5/125 62.5/125	7.0 8.5 9.0 9.0 8.5 8.5 7.0	7.5 5 5 5 10 10 10 7.5

IPE H	LVVL90412395	CFLG.2LB.50/125	2	50/125	8.0
TPE H*	LWL90412398	CFLG.2LB.62.5/125	2	62.5/125	8.5
TPE H*	LWL90425050	CFLG.4LB.50/125	4	50/125	9.0
TPE H*	LWL9040092	CFLG.4LB.62.5/125	4	62.5/125	9.0
TPE Robot	LWL90422493	CFROBOT5.501	2	50/125	8.5
TPE Robot	LWL90422496	CFROBOT5.500	2	62.5/125	8.5

<sup>1)</sup>When installing this cable as an extension, 2 ST connectors (MAT0176314) must also be ordered.

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits.

G = with green-yellow earth core x = without earth core

TPE Robot

igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

### Harnessed Fibre Optic Cables for video

* Technical information on the cable quality:				
PVC	TPE	TPE-ROBOT		
from page 214	from page 220	from page 388		

	Harnessed Fibre	Optic Cables, glass-fibre, 2			gth	
Cable quality	/ Part No.	Base article	No. of fibres	Fibre diameter	Ø	Bend radius
					[mm]	[x d]
SC/SC Co	nnector	-				10000
Pre-harness	ed at both ends			and the second s		-
PVC	LWL99230003	CFLG88.2.50/125	2	50/125	7.0	7.5
PVC	LWL99230004	CFLG88.2.62.5/125	2	62.5/125	7.0	7.5
ST/SC Cor	nnector					#0000#
Pre-harness	ed at both ends		Concession of the local division of the loca	and and the second second		-
PVC	LWL99230009	CFLG88.2.50/125	2	50/125	7.0	7.5
PVC	LWL99230010	CFLG88.2.62.5/125	2	62.5/125	7.0	7.5
LC/SC Co	nnector					and the second s
Pre-harness	ed at both ends					WOODNA -
PVC	LWL99230011	CFLG88.2.50/125	2	50/125	7.0	7.5
PVC	LWL99230012	CFLG88.2.62.5/125	2	62.5/125	7.0	7.5
G = with green-yel	low earth core <b>x</b> = without ea	ralues and may tend toward lower tole th core h including connectors or open harnes				

		Harness	ed with these
Connector	00000	SC	
			Tube sinking
Tube sinking		-	
	LWL90428935		Closed corruga (shown cut op

**IQUS** 

5 5 10

10



gated tube to feed in Fibre Optic Cables

### Harnessed Fibre Optic Cables for network | TPE

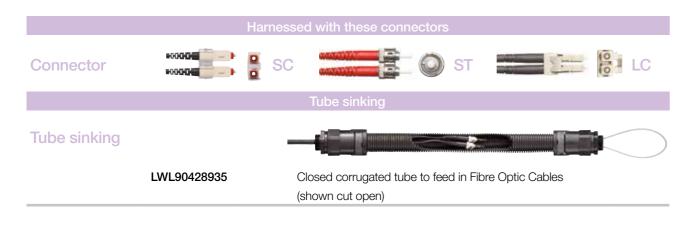
\* Technical information on the cable quality:

TPE

from page 220

Harnessed F	ibre Optic Cables, gla	ss-fibre, 6/12 fibres	, to your require	d length	
Cable quality	Part No.	No. of fibres	Fibre diameter	Ø	Bend radius
				[mm]	[x d]
ST/ST Connector					
Pre-harnessed at both end	c				Statement of Statements
TPE H*	LWL9040091	6	50/125	11.0	5
TPE H*	LWL9040090	6	62.5/125	11.0	5
TPE H*	LWL90428938	12	50/125	14.0	5
TPE H*	LWL90428937	12	62.5/125	14.0	5
					-
LC/LC Connector					-
			The Real Property lies in which the Real Property lies in the Person of States and State		and the second se
Pre-harnessed at both end			50/105		
Pre-harnessed at both end TPE H*	LWL90428946	6	50/125	11.0	5
Pre-harnessed at both end TPE H* TPE H*	LWL90428946 LWL90428945	6	62.5/125	11.0	5
Pre-harnessed at both end TPE H* TPE H* TPE H*	LWL90428946 LWL90428945 LWL90428942	6 12	62.5/125 50/125	11.0 14.0	5 5
Pre-harnessed at both end TPE H* TPE H*	LWL90428946 LWL90428945	6	62.5/125	11.0	5
Pre-harnessed at both end TPE H* TPE H* TPE H* TPE H*	LWL90428946 LWL90428945 LWL90428942	6 12	62.5/125 50/125	11.0 14.0	5 5
Pre-harnessed at both end TPE H* TPE H* TPE H*	LWL90428946 LWL90428945 LWL90428942	6 12	62.5/125 50/125	11.0 14.0	5 5
Pre-harnessed at both end TPE H* TPE H* TPE H* TPE H*	LWL90428946 LWL90428945 LWL90428942 LWL90428941	6 12	62.5/125 50/125	11.0 14.0	5 5
Pre-harnessed at both end TPE H* TPE H* TPE H* TPE H* SC/SC Connector	LWL90428946 LWL90428945 LWL90428942 LWL90428941	6 12	62.5/125 50/125	11.0 14.0	5 5
Pre-harnessed at both end TPE H* TPE H* TPE H* TPE H* SC/SC Connector Pre-harnessed at both end	LWL90428946 LWL90428945 LWL90428942 LWL90428941	6 12 12	62.5/125 50/125 62.5/125	11.0 14.0 14.0	5 5 5
Pre-harnessed at both end TPE H* TPE H* TPE H* SC/SC Connector Pre-harnessed at both end TPE H*	LWL90428946 LWL90428945 LWL90428942 LWL90428941	6 12 12	62.5/125 50/125 62.5/125 50/125	11.0 14.0 14.0 14.0	5 5 5 5 5

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example images. igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915



\* Technical information on the cable quality: TPE

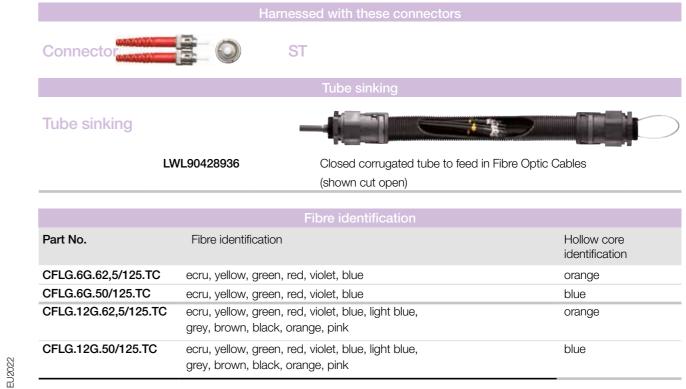
from page 220

Cable quality	otic Cables, glass-fibre Part No.	, 6/12 fibres, to yo No. of fibres	our required le Fibre diameter	øngth Ø	Bend radius
				[mm]	[x d]
ST/ST Connector	-				
Pre-harnessed at both ends				Instatut	
	LWL9040030	6	50/125	10.0	10
	LWL9040045	6	62.5/125	10.0	10
incl. conversion to SC	LWL9040032	6	50/125	10.0	10
incl. conversion to SC	LWL9040047	6	62.5/125	10.0	10
incl. conversion to LC	LWL9040031	6	50/125	10.0	10
incl. conversion to LC	LWL9040046	6	62.5/125	10.0	10
ST/ST Connector					

### Pre-harnessed at both ends

	LWL9040060	12	50/125	10.0	10
	LWL9040075	12	62.5/125	10.0	10
incl. conversion to SC	LWL9040062	12	50/125	10.0	10
incl. conversion to SC	LWL9040077	12	62.5/125	10.0	10
incl. conversion to LC	LWL9040061	12	50/125	10.0	10
incl. conversion to LC	LWL9040076	12	62.5/125	10.0	10

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. G = with green-yellow earth core x = without earth core



CFLG.6G.62,5/125.TC	ecru, yellow, green, red, violet, blue
CFLG.6G.50/125.TC	ecru, yellow, green, red, violet, blue
CFLG.12G.62,5/125.TC	ecru, yellow, green, red, violet, blue, light grey, brown, black, orange, pink
CFLG.12G.50/125.TC	ecru, yellow, green, red, violet, blue, light grey, brown, black, orange, pink

ALC: Manufactor

## Harnessed Fibre Optic Cables for network | TPE