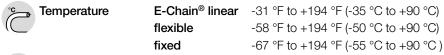
Motor cable | TPE | chainflex® CFFLAT

- For maximum mechanical load requirements
- TPE outer jacket
- Oil and bio-oil-resistant

- PVC and halogen-free
- UV-resistant
- Hydrolysis and microbe-resistant

Dynamic Information

	Bend radius	E-Chain® linear	min. 5 x d
(R		flexible	min. 4 x d
		fixed	min. 3 x d



		0		
v w max.	unsupported	32.81 ft/s (10 m/s)		
	gliding	19.69 ft/s (6 m/s)		
a max.	328.1 ft/s ² (100	m/s^2)		

Travel distance	Unsupported travel distances and for gliding applications up to 328.1 ft (100 m)
(m)	Class 5

Cable structure

Conductor	Highly flexible braided special conductor.
((O)	



Outer jacket	Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and
	highly flexible, adapted to suit the requirements in E-Chains®.

Color: Dark blue (similar to RAL 5011)

4000 V (following DIN EN 50395)

Electrical Information

Test voltage

↓ ∪	Nominal voltage	600/1000 V (following DIN VDE 0298-3)			
7 0					

Proper	ties and approvals
	UV resistance

	_			
Oil registance	Oil-registant (following DI)	VI EN 60811-404)	hio-oil-registant	(following V/C

	3
oil	24568 with Plantocut 8 S-MB tested by DEA), Class 4
Silicone-free	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status

1992) Following DIN EN 60754 Halogen-free

High

L verified Certificate No. B129699: igus 36-month chainflex cable guarantee and service

life calculator based on 2 billion test cycles per year **EAC** Certificate No. RU C-DE.ME77.B.02324 (TR ZU)

REACH REACH In accordance with regulation (EC) No. 1907/2006 (REACH)

According to ISO Class 1. The outer jacket material of this series complies with Cleanroom

CF9.15.07 - tested by IPA according to standard DIN EN ISO 14644-1 **C E** CE Following 2014/35/EU

Following 2011/65/EC (RoHS-II/RoHS-III)

Typical application areas

RoHS Lead-free

- For maximum mechanical load requirements, Class 7
- Unsupported travel distances and for gliding applications up to 328 ft (100 m), Class 5
- Almost unlimited resistance to oil, also with bio-oils, Class 4
- Indoor and outdoor applications, UV-resistant
- Storage and retrieval units for high-bay warehouses, small installation spaces, small radii, Machining units/machine tools, quick handling, Cleanroom, semiconductor insertion, low temperature applications

Part No.	AWG	Number of Conductors and rated cross section		Outer diameter max.		Copper index		Weight	
		[mm²]	[in.]	[mm]	[lbs/mft]	[kg/km]	[lbs/mft]	[kg/km]	
CFFI AT-40-01	12	1 x 4 0	0.55x0.22	14x5.5	32.3	48	78.6	117	

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





















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