TPE Motor cable | CF330-D

• For maximum mechanical load requirements

TPE

- TPE outer jacket
- Oil-resistant
- Bio-oil-resistant
- PVC-free/halogen-free
- UV-resistant
- Hydrolysis/microbe-resistant

Dynamic Information

	Dynamic Information							
	Bend radius	E-Chain [®]	min. 7.5 x d					
		flexible	min. 6 x d					
	-	fixed	min. 4 x d					
°C	Temperature	E-Chain [®]	-31 °F to +194 °F (-35 °C to +90 °C)					
$(\square$	-	flexible	-58 °F to +194 °F (-50 °C to +90 °C)					
		fixed	-67 °F to +194 °F (-55 °C to +90 °C)					
v	v max.	unsupported	32.81 ft/s (10 m/s)					
\square	_	gliding	19.69 ft/s (6 m/s)					
a	a max.	328.1 ft/s ² (100 m/s ²)						
\square	-							
فيتطلك	Travel distance	Unsupported tra	avel distances and for gliding applications up to					
		1312 ft (400 m)	and more, Class 6					
	Torsion	\pm 90°, with 3.281 ft (1 m) cable length						
± 90°								
	Cable structure							
	Conductors	Conductor consisting of bare copper wires (according to EN						
((?		60228).						
	Conductor insulation	Mechanically high-quality TPE mixture.						
((?								
	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: Jet black (similar to to RAL 9005)						
	Electrical Information							
L.	Nominal voltage	1000 V						
¥								
	Test voltage	4000 V (following DIN EN 50396)						
<u>/*</u>	Describer of the second							
		Properties and approvals						
	UV resistance	High						
<u> </u>	Oil registeres	Oil registerst (falle	wing DIN EN COOLL 404) his silvesistent (fellowing					
	Oil resistance	Oil resistant (following DIN EN 60811-404), bio-oil resistant (following						
oil		VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4 Free from silicone which can affect paint adhesion (following PV						
	Silicone-free							
	Hologon frog	3.10.7 – status	-					
Hal	Halogen-free	Following EN 50	207-2-1					
	EAC	Cortified accord	ing to no. TC RU C-DE.ME77.B.01255					
LUI			ING 10110. TO TO O-DE.IVIE/1.D.01200					
LIIL								



Configurators ► www.igus.com/CF330

1,244 types from stock ... no cutting costs*

... no minimum order quantity ... *(up to 10 cuts of the same part number)

Class 7.6.4.2

RoHS- Lead-free

Cleanroom

DESINA

CE CE

Requirements Travel distance unsupported Oil resistance none Torsion

Following 2011/65/EC (RoHS-II)

According to ISO Class 1. Outer jacket material complies with CF9-15-07, tested by IPA according to standard 14644-1 According to VDW, DESINA standardisation

Following 2014/35/EC

Guaranteed lifetime according to guarantee conditions (Page 22-25)

Cycles*					5 million	7.5 million	10 million		
Temperature,	v max.	[ft/s]	a max.	Travel distance	R min.	R min.	R min.		
from/to [°F]	unsupported	gliding	[ft/s²]	[ft]	[factor x d]	[factor x d]	[factor x d]		
-31 / -13					10	11	12		
-13/+176	32.81	19.69	328.10	≤ 1,312	7.5	8.5	9.5		
+176 / +194	/ +194				10	11	12		
* I Balance and an effect of a selection of the selection of the feature of the Selection of the Selectio									

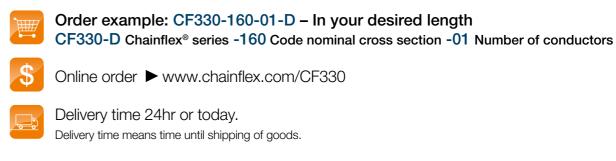
* Higher number of cycles possible - please ask for your individual calculation.

Typical application areas

- For maximum mechanical load requirements
- Almost unlimited resistance to oil, also with bio-oils
- Indoor and outdoor applications, UV-resistant
- Unsupported travel distances and for gliding applications up to 1312 ft (400 m) and more
- Storage and retrieval units for high-bay warehouses, Machining units/machine tools, quick handling, Clean room, semiconductor insertion, outdoor cranes, low temperature applications

Part No.	AWG	Number of Conductors and rated cross section	Outer diameter max.		Copper index		Weight	
		[mm ²]	in.	mm	lbs/mft	kg/km	lbs/mft	kg/km
CF330-60-01-D	10	1 x 6.0	0.28	7.0	39.0	58	51.7	77
CF330-100-01-D	8	1 x 10.0	0.31	8.0	64.5	96	79.3	118
CF330-160-01-D	6	1 x 16.0	0.37	9.5	103.5	154	121.6	181
CF330-250-01-D	4	1 x 25.0	0.43	11.0	161.3	240	185.5	276
CF330-350-01-D	2	1 x 35.0	0.49	12.5	225.8	336	253.3	377
CF330-500-01-D	1	1 x 50.0	0.57	14.5	322.5	480	350.8	522
CF330-700-01-D	2/0	1 x 70.0	0.65	16.5	467.7	696	497.3	740
CF330-950-01-D	3/0	1 x 95.0	0.79	20.0	616.2	917	669.3	996
CF330-1200-01-D	4/0	1 x 120.0	0.85	21.5	779.5	1160	833.9	1241
CF330-1500-01-D	300	1 x 150.0	0.93	23.5	964.3	1435	1020.0	1518
CF330-1850-01-D	350	1 x 185.0	1.04	26.5	1193.4	1776	1329.2	1978

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



36 months guarantee on every chainflex[®] cable up to 10 million cycles guaranteed ...

INFLEX" CF330.D



CF330-D TPE 7.5 x d

