CFBUS TPE 10-12,5 x d

TPE Bus cable | CFBUS

	 for maximu TPE outer shielded oil-resistar biooil-resis flame-retar 	um load require jacket nt stant rdant	ments
	hydrolysis	-resistant and m	nicrobe-resistant
	Conductor	or Strand consist	ed conductor in especially bending-resistant version ing of bare copper wires (following EN 60228).
	Core stra	anding Accord	ing to bus specification.
L	Core ider	ntification Accord	ing to bus specification ledule delivery program
_	Inner jacl	ket TPE mi	xture adapted to suit the requirements in energy chains®.
l r	Overall s	hield Extrem wires.	ely bending-resistant braiding made of tinned copper Coverage approx. 70% linear, approx. 90% optical.
11	Outer Jac	resistai energy	nt and highly flexible, adapted to suit the requirements in chains [®] .
	Bending	radius moveo fixed	Red lilac (similar to RAL 4001) minimum 10-12,5 x d minimum 5 x d
		ture moved fixed	-35 °C to +70 °C -40 °C to +70 °C
	v max.	10 m/s rted/qliding	, 6 m/s
	a max.	100 m/	'S ²
	Travel dis	stance Freely applica	suspended travel distances and up to 400 m for gliding tions, Class 5
	UV-resist	ant Mediur	n
	Nominal	voltage 50 V	
	Testing v	oltage 500 V	
	Oil	Oil-resi lowing Class 4	stant (following DIN EN 60811-2-1), biooil-resistant (fol- VDMA 24568 with Plantocut 8 S-MB tested by DEA),
	Flame-re	tardant Accord	ing to IEC 60332-1-2, CEI 20-35, FT1, VW-1
	Silicon-fr	ree Free fro (followi	om silicon which can affect paint adhesion ng PV 3.10.7 – status 1992).

Class 6.5.4 (6 maximum load requirements 5 travel distance up to 400 m 4 oil-resistant)

Nus	UL/CSA	Schedule delivery program
	NFPA	Following NFPA 79-2012 chapt
	CEI	Following CEI 20-35
Ξ	CE	Following 2006/95/EG
	DESINA	According to VDW, DESINA sta
RoHS	Lead free	Following 2011/65/EC (RoHS-I
lean-	Clean room	According to ISO Class 1. Out tested by IPA according to star
Ē	СТР	Certified according to N° C-DE.
AC	EAC	Certified according to Nº TC RU

New! Guaranteed lifetime for this series according to the "chainflex [®] guarantee club" conditions > Page 22-25								
Double strokes*					5 million	7,5 million	10 million	
Temperature,	v max. (m	n/s]	a max.	Travel distance	R min.	R min.	R min.	
from/to [°C]	unsupported	gliding	[m/s ²]	[m]	[factor x d]	[factor x d]	[factor x d]	
ArtNr. CFBUS.	001045							
-35 / -25					12,5	13,5	14,5	
-25 / +60	10	6	100	≤ 400	10	11	12	
+60 / +70					12,5	13,5	14,5	
ArtNr. CFBUS.	050070							
-35 / -25					15	16	17	
-25 / +60	10	6	100	≤ 400	12,5	13,5	14,5	
+60 / +70					15	16	17	

* higher number of double strokes possible

Typical application area

- for maximum load requirements
- almost unlimited resistance to oil, also with bio-oils
- indoor and outdoor applications without direct sun radiation
- freely suspended travel distances and up to 400 m for gliding applications
- Bus connection cable for storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, clean room, semiconductor insertion, indoor cranes, low-temperature applications

NINFLEX" CFBUS

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1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

Test data ► Page 40 or www.igus.eu/test3

... no minimum order quantity ...



ter 12.9

andardisation

er jacket material complies with CF34.UL.25.04.D, ndard 14644-1 .PB49.V.00396

U C-DE.ME77.B.00963



IGUS® CHAINFLEX® CFBUS

Delivery pro	gram	Number of cores and	External	Copper	Weight	Delivery program Characteristic Core grou	colou
Part No.		conductor nominal cross	diameter	index	[kg/km]	Part No. wave impedance	
		section [mm ²]	max. [mm]	[kg/km]		approx. [Ω]	
Profibus (mir	nimum bend	ding radius 10 x d) Style 1589/21371,	30 V, 80°C			Profibus	
CFBUS.001		(2x0,25)C	8,5	34	83	CFBUS.001 150 (2x0,25)	C red, g
CFBUS.002		(2x0,25)C+4x1,5	12,5	99	203	CFBUS.002 150 (2x0,25)	C red/gr
						4x1	,5 black
CFBUS.003		(2x0,25)C+3G0,75	11,0	58	141	CFBUS.003 150 (2x0,25)	C red/gr
						3G0,7	5 black,
Interbus (min	nimum bend	ling radius 10 x d) Style 1589/21371,	30 V, 80°C			Interbus	
CFBUS.010		(3x(2x0,25))C	9,0	50	90	CFBUS.010 100 3x(2x0,2	5) white/
CFBUS.011		(3x(2x0,25)+(3G1,0))C	10,5	88	142	CFBUS.011 100 3x(2x0,2	5) white/
						3G1	,0 red, b
CAN-BUS/Fi	eldbus (min	imum bending radius 10 x d) Style 1	589/21371, 30 V	, 80°C		CAN-BUS/Feldbus	
CFBUS.020 ⁽²⁾		(4x0,25)C	6,5	40	77	CFBUS.020 ⁽²⁾ 120 (4x0,25)	C white,
CFBUS.021		(2x0,5)C	8,0	41	88	CFBUS.021 120 (2x0,5)	C white,
CFBUS.022(2)		(4x0,5)C	8,0	46	90	CFBUS.022 ⁽²⁾ 120 (4x0,5)	C white,
DeviceNet (m	ninimum be	nding radius 10 x d) Style 1589/2137	1, 30 V, 80°C			DeviceNet	
CFBUS.030(4)	Drop	((2xAWG24)C+2xAWG22)C	7,0	36	65	CFBUS.030 ⁽⁴⁾ Drop 120 (2xAWG24)	C white/
						2xAWG2	2 red, b
CFBUS.031	Trunk	((2xAWG18)C+2xAWG15)C	11,5	110	200	CFBUS.031 Trunk 120 (2xAWG18)	C white/
						2xAWG ⁻	5 red, b
CC-Link (min	nimum benc	ling radius 10 x d) Style 1589/21371,	30 V, 80°C			CC-Link	
CFBUS.035		(3xAWG20)C	8,5	46	94	CFBUS.035 110 (3xAWG20)	C white,
Ethernet/CAT5/	/GigE (minimu	m bending radius 10 x d) Style 10138/21235	, 300 V, 80 °C – sta	rting from mai	nufacturing date 4/2	012 Ethernet/CAT5/GigE	
CFBUS.040 ⁽²⁾		(4x0,25)C	7,0	35	66	CFBUS.040 ⁽²⁾ 100 (4x0,25)	C white,
CFBUS.041		(4x(2x0,25))C	10,0	52	113	CFBUS.041 100 (4x(2x0,25))	C white/
CFBUS.044		(4x(2x0,15))C	8,5	44	88	CFBUS.044 100 (4x(2x0,15))	C white/
CFBUS.045		(4x(2x0,15))C	8,5	44	88	CFBUS.045 100 (4x(2x0,15))	C white-
							white-
Ethernet/CA	T6 _A (minimu	m bending radius 12,5 x d) Style 158	9/21371, 30 V, 8	0°C		Ethernet/CAT6 _A	
CFBUS.050		(4x(2x0,15)C)C	10,5	76	139	CFBUS.050 100 (4x(2x0,15)C)	C white/

(4) manufactured without inner jacket The chainflex® types marked with (2) are cables designed as a star-quad.

Other types available on request.

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

Other types ► Page 172



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1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

Technical note

The USB, FireWire and GigE-cables shown on these pages were developed for the ambitious industrial usage in e-chains®.

High proofness to oil and lubricants is as secured as protection against electromagnetical interferences. This high mechanical service life was reached with the usage of high quality materials which even care for the electrical safeness. In single cases communication errors can occur, if very different hardware and software is combined. We recommend tests with all components and the cables before starting serial production, to get the proove for a perfect running system. Of course we support you with the details of these electrical tests. Just give us a call!

... no minimum order quantity ...

ravel distance up to 400 m	4 oil-resistant
----------------------------	-----------------

CFBUS	
TPE	
10-12,5 x	d

r code

reen reen with white numbers 1-4 reen

blue, green-yellow

/brown, green/yellow, grey/pink /brown, green/yellow, grey/pink olue, green-yellow

green, brown, yellow (star-quad stranding) brown green, brown, yellow (star-quad stranding)

blue black

blue

black

blue, yellow

green, brown, yellow (star-quad stranding) /brown, green/yellow, grey/pink, blue/red /brown, green/yellow, grey/pink, blue/red -blue/blue, white-orange/orange, white-green/green, -brown/brown

/blue, white/orange, white/green, white/brown





IGUS® CHAINFLEX® CFBUS

Image exemplary.

Delivery program	n Number of cores and	External	Copper	Weight	Delivery	program Characterist	tic Core group	Colour
Part No.	conductor nominal cross	diameter	index	[kg/km]	Part No.	wave imped	ance	
	section [mm ²]	max. [mm]	[kg/km]			approx. $[\Omega]$		
FireWire IEEE 139	94a (minimum bending radius 12,5 x d) Style 1	1589/21371, 30) V, 80°C		FireWire	IEEE 1394b		
CFBUS.055	2x(2x0,15)C+2x(0,34)C	8,0	41	84	CFBUS.0	55 100	2x(2x0,15)C 2x(0,34)C	orange white, l
Profinet (minimum	bending radius 12,5 x d) Style 10138/21235, 300 V	V, 80°C – starting	g from manut	facturing date 4/2012	2 Profinet			
CFBUS.060 ^(2/16)	(4x0,38)C	7,5	41	75	CFBUS.0	60 ^(2/16) 100	(4x0,38)C	white,
USB (minimum b	ending radius 12,5 x d) Style 1589/21371, 30	V, 80°C			USB			
CFBUS.065	((2xAWG28)+2xAWG20)C	5,5	29	48	CFBUS.0	65 90	(2xAWG28)	white/g
							2xAWG20	red, bla
CFBUS.066	((2xAWG24)+2xAWG20)C	6,5	33	56	CFBUS.0	66 90	(2xAWG24)	white/g
							2xAWG20	red, bla
DVI (minimum be	nding radius 12,5 x d) Style 1589/21371, 30 V	, 80°C			DVI			
CFBUS.070	(4x(2xAWG28)C+(2xAWG28)+3xAWG28)C	9,0	37	94	CFBUS.0	70 100	4x(2xAWG28)C	4 x whi
							(2xAWG28)	white/k
							3xAWG28	green,
The chainflex® types marke	ad with (2) are cables designed as a star-guad							

(16) Colour outer jacket: Yellow green (similar to RAL 6018)

Other types available on request.

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

Other types ► Page 170

Order example: CFBUS.060 - in your desired length (0,5 m steps) CFBUS chainflex® series .060 Code BUS-type

prices

price list online www.chainflex.eu/CFBUS

time

delivery despatched in 24 hours or today

Technical note

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... no minimum order quantity ...

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1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

ravel distance up to 400 m	4 oil-resistant)
----------------------------	------------------

CFBUS	
TPE	
10-12,5 x	d

code

/blue, green/red black

orange, blue, yellow (star-quad stranding)

green ack green

ack

ite/yellow with element jacket in blue, black, white, red brown yellow, grey



