PUR Control cable, twistable | CFROBOT2

• for twistable loads

• PUR outer jacket

CFROBOT2

PUR

± 180°

shielded							
• oil	-resistant and co	olant-resi	stant				
	tch-resistant						
	me-retardant						
• hy	drolysis-resistant	and micr	obe-resistant				
	Orandustan						
	Conductor		onductor in especially bending-resistant version				
IIYC	Core insulation	0	of bare copper wires (following EN 60228). Ily high-quality TPE mixture.				
\bigcap		IVIECHALIICA					
	Core identification	Cores blac	k with white numerals, one core green-yellow.				
		00100 0100					
	Element shield	Extremely t	orsion resistant tinned braided copper shield.				
$(\bigcirc$		-	approx. 85% optical.				
	Outer jacket	-	sion, halogen-free, highly abrasion-resistant mixture				
02	-		s of PUR, adapted to suit the requirements in energy				
		chains® (fol	lowing DIN VDE 0282 Part 10).				
		Colour: Ste	el blue (similar to RAL 5011)				
[°C])	Bending radius	twistable	minimum 10 x d				
		moved	minimum 7,5 x d				
		fixed	minimum 5 x d				
°C	Temperature	twistable					
		fixed	-40 °C to +80 °C				
×	v max.	180°/s					
\square	twisted	000/-2					
a	a max. twisted	60°/s ²					
C	Travel distance	For twistable applications, but also for freely suspended tra					
	ITavel distance		and up to 10 m for gliding applications, Class 6				
	Torsion						
±X°		± 180°, with 1 m cable length					
	UV-resistant	High					
		S S S S S S S S S S S S S S S S S S S					
	Nominal voltage	300/500 V (following DIN VDE 0245)					
⊉ ∪							
	Testing voltage	2000 V (following DIN VDE 0281-2)					
$\sqrt{1}$	• "						
\searrow	Oil	Oil-resistant (following DIN EN 50363-10-2), Class 3.					
oil 🌢	Flame-retardant						
	Fiame-relargant	According	to IEC 60332-1-2, CEI 20-35, FT1, VW-1				
	Silicon-free	Free from s	ilicon which can affect paint adhesion				
			V 3.10.7 – status 1992).				
	UL/CSA		3 and 20317, 300 V, 80 °C				
CRU us		-					

eplan download, configurator ► www.igus.eu/CFROBOT

1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

Class 6.6.3 (6 maximum load requirements 6 travel distance twisted 3 oil-resistant)

NFPA	Following NFPA 79-2012 chapt
CEI	Following CEI 20-35
CE	Following 2006/95/EG
Lead free	Following 2011/65/EC (RoHS-I
Clean room	According to ISO Class 1. Outer tested by IPA according to star
СТР	Certified according to Nº C-DE.
EAC	Certified according to Nº TC RU
	CEI CE Lead free Clean room CTP

New! Guarantee	d lifetime for this s	eries according to	the "chainflex® gua	rantee club" conditie	ons ► Page 22-25
Cycles*			5 million	7,5 million	10 million
Temperature,	v max. [°/s]	a max. [°/s²]	Torsion max.	Torsion max.	Torsion max.
from/to [°C]	tordiert	tordiert	[°]	[°]	[°]
-25 / -15			±150	±90	±30
-15 / +70	180	60	±180	±120	±60
+70 / +80			±150	±90	±30

* higher number of cycles possible

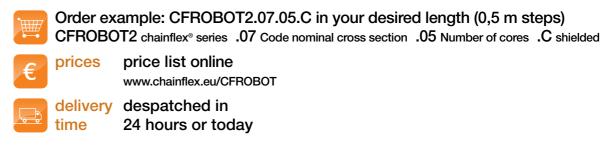
Typical application area

- for maximum load requirements with torsion movements
- almost unlimited resistance to oil
- indoor and outdoor applications, UV-resistant
- especially for robots and movements in the 3D range
- Robots, handling, spindle drives

Delivery program	Number of cores and	External	Copper	Weight	
Part No.	conductor nominal	diameter	index	[kg/km]	
	cross section [mm ²]	max. [mm]	[kg/km]		
CFROBOT2.07.04.C ⁽¹⁾	(4 G 0,75)C	8,5	45	84	
CFROBOT2.07.05.C	(5 G 0,75)C	8,5	54	94	
CFROBOT2.07.07.C	(7 G 0,75)C	10,0	75	130	
CFROBOT2.07.12.C ⁽¹⁾	(12 G 0,75)C	14,0	131	219	
CFROBOT2.07.18.C	(18 G 0,75)C	16,5	197	321	

(1) Delivery time upon inquiry.

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



... no minimum order quantity ...

igus® GmbH Cologne | Tel. +49(0)2203/9649-800 Fax -222 | info@igus.de | www.chainflex.eu

oter 12.9



-II)

er jacket material complies with CF27.07.05.02.01.D, andard 14644-1 E.PB49.V.00396

RU C-DE.ME77.B.00960





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