



Rajgopal C. Sarda <rajgopal@jindalaluminium.com>

RE: Enquiry No:EN220200185Bhiwadi Division

1 message

For nayya, Deepak <salesbangalore@helukabel.in>
To: "purchase.bhiwadi@jindalaluminium.com" <purchase.bhiwadi@jindalaluminium.com>
Cc: "rajgopa@jindalaluminium.com" <rajgopa@jindalaluminium.com>, "V, Nuthan Raju" <saleskarnataka@helukabel.in>, "Pavalavannan, K" <saleschennai@helukabel.in>

Mon, Mar 14, 202

EN220200185

Greetings from HELUKABEL...!!!

Dear Sir,

Thank you for the enquiry for cables. We are pleased offer our best prices for HELUKABEL

S/N	Description	Part No.	MOQ QTY (Mtrs)	Price/Mtr. (Rs.)	Total (Rs.)	Stock availability
1	TOPFLEX 611-PUR, 4G1,5 qmm	22870	100	₹ 391.00	₹ 39,100.00	Re-Stocking in Germany in Week -17(5th Week of April 2022)
2	M-SPEED 500-PVC UL 7G1,5 (16AWG) SW	24321	200	₹ 767.00	₹ 1,53,400.00	Ex-Stock Germany (Critical Stock Subject to Prior Sales)

Handwritten notes:
R. 371.42 per mtr
R. 726.6 per mtr
₹ 1,92,500.00

- GST @ 18% will be charged extra
- Freight : Extra at actual Ex-Pune to your account.
- Delivery :as per Helukabel India Pvt Ltd Schedule
- Payment : 30 Days Credit
- Tolerance in Length : Max ±5% tolerance in cable length should be acceptable.
- Validity of offer : 7 days from the date of offer

We hope the above offer is to your satisfaction . Please feel free to contact us for any clarification

Regards,

Deepak Somayya

Assistant Sales Manager

HELUKABEL INDIA PVT. LTD.

Corp. Office: B-1601, 16th Floor,

Kailas Business Park, Veer Savarkar Road,

Vikhroli (W), Mumbai – 400079

Res. Address: Hoysala Habitat , Flat No-F-103 , Yelanka , Bangalore-560064

Mob : +91 84339 09174

Email: salesbangalore@helukabel.in

Tel: +91-22-25185841 / 40269024

Web: www.helukabel.in

Handwritten note:
discussed with Mr. Deepak and offer above rate
21/03/22

CHECK LIST

DISCOUNT: Rate as above

PDF : INCLUDED Incl. / EXTRA.....

ED: INCLUDED N.A. / EXTRA.....

GST: 18% / EXTRA.....

PAYMENT TERM: 30 days credit

FOR BANGALURU

WARRANTY: one year

DELIVERY: 8 weeks

VALIDITY: _____

From: Somayya, Deepak
Sent: 28 February 2022 09:56
To: purchase.bhiwadi@jindalaluminium.com
Cc: rajgopa@jindalaluminium.com
Subject: RE: Enquiry No:EN220200185Bhiwadi Division

MULTISPEED® 500-PVC UL/CSA high flexible, safety

against high bending in drag chain systems, oil-resistant, low torsion, meter marking



Technical data

- Special drag chain cables for high mechanical stress in adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51 to UL-Std. 758 AWM Style 21179
- **Temperature range** flexing -5°C to +80°C fixed installation -30°C to +80°C
- **Nominal voltage** VDE U₀/U 300/500 V UL 600 V
- **Test voltage** 3000 V
- **Insulation resistance** min. 100 MOhm x km
- **Minimum bending radius** flexing 7,5x cable Ø fixed installation 4x cable Ø
- **Radiation resistance** up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper, fine wire conductors, Unilay with short pitch length
- Core insulation of special PP
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above
- Stranding:
 - <7 cores: cores stranded in a layer with optimal lay-length around a filler as per construction
 - ≥7 cores: cores stranded with optimal lay-length to bunch-construction with low torsion strength, optimal selected short lay-length around a filler
- Outer sheath special PVC, especially resistant against fatigue strength, extruded as filler with pressure
- Sheath colour black (RAL 9005)
- with meter marking

Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC outer sheath self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B), UL VW-1, CSA FT1
- Low-adhesion
- Ozon and UV resistant
- High property of alternating bending strength
- longer service life due to low frictional resistance
- Better chemical resistance
- Oil resistance to DIN VDE 0473-811-404 / DIN EN 60811-404
- Reduced Ø, therefore low moving masses

Note

- G = with green-yellow conductor
x = without green-yellow conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- screened analogue type:

MULTISPEED® 500-C-PVC UL/CSA

Application

UL/CSA approved HELUKABEL® MULTISPEED® 500-PVC are installed there, where extreme requirements for the cables are necessary. Designed for the export-orientated machinery manufacturer, specifically for USA and Canada. Matched materials and stranding technique permit continuous use as a highly flexible cable for drag chains with long travel and high or slow speeds. For use in dry, damp rooms, and outdoors, with free movement without tensile stress or forced movements as a highly flexible PVC control cable suitable for frequent lifting and bending stress in engineering and tool manufacturing.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
24295	2 x 0,5	20	4,8	9,6	40,0	24315	12 G 1	18	12,3	115,0	227,0
24296	3 G 0,5	20	5,1	14,4	45,0	24316	18 G 1	18	15,1	173,0	351,0
24297	4 G 0,5	20	5,5	19,0	57,0	24317	25 G 1	18	17,6	240,0	489,0
24298	5 G 0,5	20	6,0	24,0	66,0	24318	3 G 1,5	16	6,7	43,0	88,0
24299	7 G 0,5	20	9,1	33,6	81,0	24319	4 G 1,5	16	7,3	58,0	110,0
24300	12 G 0,5	20	10,0	58,0	133,0	24320	5 G 1,5	16	8,0	72,0	130,0
24301	18 G 0,5	20	12,2	86,0	194,0	24321	7 G 1,5	16	13,2	101,0	182,0
24302	25 G 0,5	20	14,3	120,0	274,0	24322	12 G 1,5	16	14,4	173,0	319,0
24303	4 G 0,75	19	6,1	29,0	63,0	24323	18 G 1,5	16	17,7	259,0	420,0
24304	5 G 0,75	19	6,6	36,0	79,0	24324	25 G 1,5	16	20,5	360,0	604,0
24305	7 G 0,75	19	10,5	50,0	107,0	24325	4 G 2,5	14	8,9	96,0	172,0
24306	12 G 0,75	19	11,4	86,0	169,0	24326	5 G 2,5	14	9,9	120,0	219,0
24307	18 G 0,75	19	14,2	130,0	247,0	24327	7 G 2,5	14	16,1	168,0	303,0
24308	25 G 0,75	19	16,3	180,0	366,0	24328	12 G 2,5	14	17,8	288,0	504,0
24309	36 G 0,75	19	20,1	259,0	540,0	24329	18 G 2,5	14	21,8	432,0	754,0
24310	42 G 0,75	19	22,2	302,0	630,0	24330	25 G 2,5	14	24,4	600,0	940,0
24311	3 G 1	18	5,9	29,0	69,0						
24312	4 G 1	18	6,4	38,4	86,0						
24313	5 G 1	18	7,0	48,0	101,0						
24314	7 G 1	18	11,2	67,0	140,0						

Dimensions and specifications may be changed without prior notice. (RN05)

TOPFLEX® 611-PUR



HELUKABEL® TOPFLEX® 611-PUR 4G2,5 QMM / 22871 0,6/1 kV CE

TECHNICAL DATA

PUR motor supply cable in alignment with DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -30°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U ₀ /U 600/1000 V
Test voltage core/core	4000 V
Minimum bending radius	flexible 7,5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded acc. to DIN VDE 0295 class 6 / IEC 60228 class 6
- Core insulation: PP
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- G = with protective conductor GN-YE
- Cores stranded in layers with optimally matched lay lengths
- Fleece wrapping
- Outer sheath: Special grade of full polyurethane acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (compound type TMPU)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- resistant to: oil, UV radiation, ozone, oxygen, weathering effects, hydrolysis, microbes, coolants, hydraulic fluids, acids, alkalis, greases, seawater and wastewater
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant, low adhesion

- for outdoor use
- suitable for use in drag chains
- halogen-free
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2

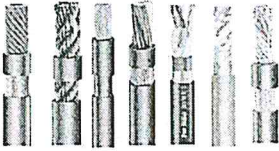
APPLICATION

Used as an optimal supply cable for motor supply especially for DNC and servo motors. The cables are specially designed for use in energy supply chains, automatic handling machines, robots, machine tools and processing machines. Optimal materials for insulation ensure resistance to oils (including mineral oils), greases, coolants, hydraulic fluids and numerous alkalis and solvents. Favourable outer diameters, reduced weights and improved torsional behaviour ensure use in multi-shift operations with extremely high alternating bending stress. Suitable for outdoor installation.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- for use in energy supply systems:
 - 1) the assembly instructions must be observed
 - 2) for further application parameters, please refer to the selection tables
 - 3) for special applications, we recommend contacting us and using our data entry form for energy supply systems

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
22870	4 G 1.5	16	8.3	58.0	125.0	22876	4 G 25	4	26.3	960.0	1510.0
22871	4 G 2.5	14	10.4	96.0	215.0	22877	4 G 35	2	32.4	1344.0	2100.0
22872	4 G 4	12	12.1	154.0	310.0	22978	4 G 50	1	36.6	1920.0	2950.0
22873	4 G 6	10	14.9	231.0	470.0	22979	4 G 70	2/0	41.8	2640.0	4090.0
22874	4 G 10	8	18.6	384.0	760.0	22980	4 G 95	3/0	46.2	3648.0	5580.0
22875	4 G 16	6	22.8	615.0	1250.0	22981	4 G 120	4/0	50.9	4608.0	7040.0



OUR OFFER NO : CC163-28022022-SRK

All cables are designed to withstand 4 million cycles (in case of PVC outer jacket) and 7 million cycles (in case of PUR outer jacket), resist any kind of corkscrewing and withstand any bending at a radius of 7.5 times the cable outer diameter. The outer jacket material shall be polyvinyl chloride (PVC) or poly urethane (PUR) to withstand an abrasion and glide smooth during the movement of the chain. It remains highly flexible in a wide range of ambient temperature.

Traxline 700 Series
Bundled stranding, usable between -30 to +90°C

1. PUR Outer jacket, Bundle stranding
2. Inner Jacket is KS-TPE.
3. High end product for most demanding applications.
4. Can be used up to 7 million motion cycles.
5. Can be used up to 500m travel length.
6. Permitted working temperature is 90°C



Properties

- High flexibility
- Oil resistant
- UV resistant
- Rip & conform
- Burns resistant
- Interlocked
- CFC free
- Silicone free
- Flame retardant
- Long service life technology



Outer jacket KS-TPE pressure resistant, low elongation, extremely abrasion resistant



Inner jacket KS-PP pressure resistant, low elongation



Controlled stranding for best mechanical properties



High flexibility for most demanding applications



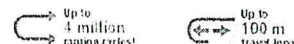
UV resistant for outdoor applications



Flame retardant for high temperature applications

Traxline 400 Series
Bundled stranding, usable between -5 to +80°C

1. PVC Outer jacket, Bundle stranding.
2. Inner Jacket is KS-PP.
3. Best product for medium to heavy load application.
4. Can be used up to 4 million motion cycles.
5. Can be used up to 100m travel length.
6. Permitted working temperature is 80°C



Core insulation KS-PP pressure resistant, low elongation



Inner jacket KS-PVC pressure resistant, low elongation



Controlled stranding for best mechanical properties



High flexibility for most demanding applications



UV resistant for outdoor applications



Flame retardant for high temperature applications

SI No	Your Description	KS India Description	UOM	Qty	Delivery	Unit Price In Rs.	Total Price In Rs.	
1	06641669 IGUS CABLE, PART NO - CF30.15.04 UL 4G 1.5 FOR 100.00 MTR P1/P2/P3/P5/P7 PULLER.	TRAXLINE POWER 400 C 1 KV UNSHIELDED CONTINUOUS BENDING HI - FLEX PVC POWER CABLES MAX OD IN MM : 8.4 IN MM KS PART NO: 45202 4 X 1.5 SQ MM WEIGHT KG/M = 0.129 KG/M CU INDEX KG/M = 0.072	mtrs	1,000	100,000	IMMEDIATE SUBJECT TO PRIOR SALES	158	15800.00
2	07150308 IGUS MAKE PVC FLEXIBLE COPPER CABLE 7 CORE 1.5 SQ 200.00 MTR MM AS PER IGUS PART NO CFS.15.07.	TRAXLINE POWER 400 1 KV UNSHIELDED CONTINUOUS BENDING HI - FLEX PVC POWER CABLES MAX OD IN MM : 10.8 IN MM KS PART NO: 45205 7 X 1.5 SQ MM WEIGHT KG/M = 0.173 KG/M CU INDEX KG/M = 0.105	mtrs	1,000	200,000	IMMEDIATE SUBJECT TO PRIOR SALES	261	52200.00
TOTAL BASIC PRICE FOR ABOVE IN INR								68000.00

HSN CODE : 85444995

Commercial Terms of our offer

- 1 Taxes : 18% IGST on Basic.
- 2 Freight charges : Extra at Actuals.
- 3 Packing & Forwarding charges : 2% on basic Price
- 4 Delivery Terms : Ex-Works, Bangalore.
- 5 Delivery Period : As mentioned, Subject to prior sales.
- 6 Payment Terms : 100% against Proforma.

With Best Regards
For KabelSchlepp India Pvt. Ltd

REKHA S
Mobile : 9586693787

We carry over 60 years of expertise in motion...

RECK LIST

ed Rate as above
Incl

N.A.

IGST 18% Barring

30 days credit

warranty: one year

one week

*Dis used with
Ms. Rekha - and agreed
above rates*

*(Signature)
21/05/22*


IGus India

Pos.	Art. No.	Qty.	Unit	Price / Unit	Price
1.000	<u>CF30.15.04</u> chainflex PVC power cable 4G1,5 Material Code: 06641669	1	1.000 M	INR 257.00 / 1 <i>Rs. 245 per meter</i>	INR 257.00
2.000	<u>CF5.15.07</u> chainflex PVC control cable 7G1,5 Material Code: 07150308	1	1.000 M	INR 442.00 / 1 <i>Rs. 400 per meter</i>	INR 442.00
Total Quote Value:					INR 699.00

10 million stocks

All prices in this quote are prices without Gst.

Note: Above quoted price is very special & final price from igus India.



1 2 3 4


Looking for...
Stop at igus, get the best quality product and service at your convenient price in 24 hrs. (Not only servo cable, all types of dynamic duty cables are readily available at igus)

free samples!

1. High pressure extruded, oil resistant PUR outer jacket, halogen free
2. High quality short pitch shielding (90% optimal coverage)
3. High wearure, grease, filled extruded PUR inner jacket
4. TFF insulation for power and signal conductors

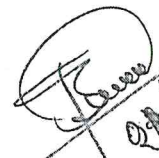
To know more about us, visit: [www.igus.com](#)

THE ECONOMIC TIMES



BEST PLASTICS & POLYMERS BRANDS 2018

Find out more about Tech up, Cost down on our website.

discussed with
 Mr. Hrushika and agreed
 above rate

 08/03/22

CHECK LIST	
DISCOUNTED RATES	Rates as above
DEF: INCLUDE	Incl
ED: INCLUDE	N.A.
QUALITY	IGST: 12% Ex-works
DELIVERY	30 days Weeks
WARRANTY	FOR JOL BWP. Warranty: one year
DELIVERY	8 weeks.
VALIDITY	_____

Delivery Terms Free Delivery

Conditions of Sale GST as applicable:-
GST NO: 29AAACI7545P1ZV PAN NO :AAACI7545P
Packing & Forwarding- 2% of Order value & Transportation Charges extra
Or as per mutual agreed terms..

SL	HSN CODE	ITEM DESCRIPTION	TAX RATE %
1	85444920	igus CHAINFLEX CABLE ASSEMBLY	18
2	85444292	igus CHAINFLEX CABLE ASSEMBLY WITH CONNECTOR	18
3	85369090	igus CABLE CONNECTOR ASSEMBLY	18

Delivery Time "Due to the present Order Intake spikes and the control measures for COVID safety, please consider an additional 2-3 days delay in the dispatch of your orders during this interim period. In cases of fast delivery requirements, please speak to us and we will try our best to support you.."

"This Quotation is valid for 30 days"

*Delivery time, 24 Hours to 2 weeks for items on stock in Bangalore.

* For items not in stock 2 to 8 weeks from the date of receipt of formal PO.

* For items in stock, "Express Orders" are possible at extra costs.

* Chainflex, Connectors, and Cable with connectors delivery time need to be confirmed against order and availability during the time of ordering.

Payment Terms 30 Days

Control cable | PVC | chainflex® CF5

10 million 6.8 x d 100 m

- For heavy duty applications
- PVC outer jacket
- Oil-resistant
- Flame retardant

Dynamic performance

Bend radius	e-chain® linear flexible fixed	min. 6.8 x d min. 5 x d min. 4 x d
Temperature	e-chain® linear flexible fixed	+5 °C up to +70 °C -5 °C up to +70 °C (following DIN EN 60811-504) -15 °C up to +70 °C (following DIN EN 50305)
v max.	unsupported gliding	10 m/s 5 m/s
a max.		80 m/s ²

Travel distance
Unsupported travels and up to 100 m for gliding applications, Class 5

Torsion
Torsion ±90°, with 1m cable length, Class 2

Cable structure

- Conductor
Finely stranded conductor consisting of bare copper wires (following DIN EN 60228).
- Core insulation
Cores ≤ 0.5 mm²: Mechanically high-quality TPE mixture.
Cores ≥ 0.75 mm²: Mechanically high-quality PVC mixture.
- Core structure
Number of cores < 12: Cores wound in a layer with short pitch length.
Number of cores ≥ 12: Cores wound in bundles which are then wound around a high tensile strength centre element, all with optimised short pitch lengths and directions. Especially low-torsion structure.
- Core identification
Cores < 0.5 mm²: Colour code in accordance with DIN 47100.
Cores ≥ 0.5 mm²: Black cores with white numbers, one green-yellow core.
- Outer jacket
Low-adhesion, oil-resistant PVC mixture, adapted to suit the requirements in e-chains® (following DIN EN 50363-4-1).
Colour: Moss green (similar to RAL 6005)
Strip cables faster: a tear strip is moulded into the outer jacket
Video ▶ www.igus.eu/CFRIP

Electrical information

- Nominal voltage
300/500 V (following DIN VDE 0298-3)
- Testing voltage
2000 V (following DIN EN 50395)

Class 5.5.2.2

Properties and approvals

- UV resistance
Medium
- Oil resistance
Oil-resistant (following DIN EN 50363-4-1), Class 2
- Flame retardant
According to IEC 60332-1-2, CEI 20-35, FT1, VW-1
- Silicone-free
Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)
- UL/CSA
Cores < 0.75 mm²: Style 10492 and 2570, 600 V, 80 °C
Cores ≥ 0.75 mm²: Style 11113 and 2570, 600 V, 80 °C
Following NFPA 79-2018, chapter 12.9
- NFPA
- EAC
Certificate No. RU C-DE.ME77.B.01254 (TR ZU)
- CTP
Certificate No. C-DE.PB49.B.00416 (Fire protection)
- CEI
Following CEI 20-35
- Lead-free
Following 2011/65/EC (RoHS-II)
- Cleanroom
According to ISO Class 2, material/cable tested by IPA according to ISO standard 14644-1
- CE
Following 2014/35/EU

Guaranteed service life (details see page 22-23)

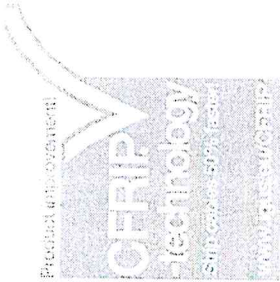
Temperature, from/to [°C]	< 10 m		≥ 10 m		< 10 m		≥ 10 m	
	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	
+5/+15	7.5	8.5	10	11	9.5	12	9.5	12
+15/+60	6.8	7.8	7.5	8.5	8.8	9.5	8.8	9.5
+60/+70	7.5	8.5	10	11	9.5	12	9.5	12

* Higher number of double strokes? Service life calculation online ▶ www.igus.eu/chainflexlife

Typical mechanical application areas

- For heavy duty applications, Class 5
- Unsupported travels and up to 100 m for gliding applications, Class 5
- Light oil influence, Class 2
- Torsion ±90°, with 1m cable length, Class 2
- Preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- Storage and retrieval units for high-bay warehouses, machining units/ packaging machines, quick handling, indoor cranes

- for high load requirements
- PVC outer jacket
- oil-resistant
- flame-retardant



Conductor
 < 10 mm²: stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228).
 ≥ 10 mm²: conductor cable consisting of pre-leads (following EN 60228).
 Mechanically high-quality, especially low-capacitance TPE mixture.
Core insulation
 Cores stranded in short pitch lengths over a centre for high tensile stresses.
Core stranding
 Energy conductor: Cores black with white numerals, one core green-yellow.
 1. core: U / L1 / C / L+ 2. core: V / L2
 3. core: W / L3 / D / L- 4. core: 4 / N
Core identification
 Low-adhesion, oil-resistant mixture on the basis of PVC, adapted to suit the requirements in energy chains* (following DIN VDE 0281 Part 13).
Outer jacket
 Colour: Jet black (similar to RAL 9005)
 Strip cables 50% faster! The tear strip is in the outer jacket (starting from manufacturing date 5/2013).
 Video ▶ www.igus.eu/CFRIP

Bending radius
 moved minimum 7,5 x d
 fixed minimum 4 x d
Temperature
 moved +5 °C to +70 °C for use in energy chains* with > 50,000 cycles
 -5 °C to +70 °C following DIN EN 60811, part 1-4 chapter 8.2
 fixed -20 °C to +70 °C
 10 m/s, 5 m/s

v max. unsupported/gliding
 a max. 80 m/s*
Travel distance
 Freely suspended travel distances and up to 100 m for gliding applications, Class 4
 ± 90°, with 1 m cable length
Torsion
 Medium
UV-resistant
 Medium



www.igus.eu/CFRIP
 eplan download, configurator ▶ www.igus.eu/CF30

1030 types from stock no cutting costs ...
 (for up to 10 cuts of the same type)

Class 5.4.2 (5 high load requirements 4 travel distance up to 100 m 2 oil-resistant)

	Nominal voltage	600/1000 V (following DIN VDE 0250).
	Testing voltage	4000 V (following DIN VDE 0281-2).
	Oil	Oil-resistant (following DIN EN 50363-4-1), Class 2.
	Flame-retardant	According to IEC 60332-1-2, CEI 20-35, FT1, VW-1
	Silicon-free	Free from silicon which can affect paint adhesion (following PV 3.10.7 - status 1992). Style 10492 and 2570, 1000 V, 80 °C
	UL/CSA	Following NFPA 79-2012 chapter 12.9
	NFPA	Following CEI 20-35
	CEI	Following 2006/95/EG
	CE	Following 2011/65/EC (RoHS-II)
	Lead free	According to ISO Class 2. Outer jacket material complies with CF5.10.07, tested by IPA according to standard 14644-1. Certified according to N° C-DE.PB49.V.00397
	Clean room	Certified according to N° TC RU C-DE.ME77.B.00964
	CTP	
	EAC	

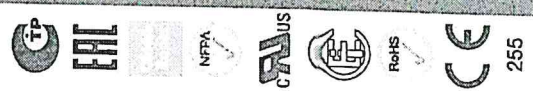
Guaranteed lifetime for this series according to the "chainflex® guarantee club" conditions ▶ Page 22-25

Temperature, from/to [°C]	v max. unsupported gliding [m/s]	a max. Travel distance [m]	R min. [factor x d]	R min. [factor x d]
-5 / +5	10	5	80	≤ 100
+5 / +60	10	5	80	≤ 100
+60 / +70	10	5	80	≤ 100

* higher number of double strokes possible

Typical application area

- for high load requirements
- light oil influence
- preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- freely suspended travel distances and up to 100 m for gliding applications
- Storage and retrieval units for high-bay warehouses, machining units/packaging machines, quick handling, indoor cranes



... no minimum order quantity ...
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