













- For extremely heavy duty applications
- TPE outer jacket
- Unshielded/shielded
- Oil-resistant, bio-oil-resistant
- Flame-retardant
- UV-resistant
- Hydrolysis-/microbe-resistant



### Dynamic information

	<b>Bending radius</b>	<b>e-chain® flexible</b>	minimum 7.5 x d
		<b>fixed</b>	minimum 4 x d
	<b>Temperature</b>	<b>e-chain® flexible</b>	-35 °C to +70 °C
		<b>fixed</b>	-45 °C to +70 °C
	<b>v max.</b>	<b>gliding</b>	6 m/s
	<b>a max.</b>		80 m/s <sup>2</sup>
	<b>Travel distance</b>		Gliding travel distances up to 400 m and more, Class 6




### Cable structure

	<b>Conductor</b>	Stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228).
	<b>Core insulation</b>	Mechanically high-quality PVC mixture (according to DIN VDE 0207 Part 4).
	<b>Core stranding</b>	Cores braided together using a special technique.
	<b>Core identification</b>	Cores black with white numerals, one core green-yellow.
	<b>Inner jacket</b>	TPE mixture adapted to suit the requirements in e-chains® (for shielded types).
	<b>Overall shield</b>	Extremely bending-resistant braiding made of tinned copper wires. Cover approx. 70% linear, approx. 90% optical (for shielded types).
	<b>Outer jacket</b>	Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, adapted to suit the requirements in e-chains®. Colour: Jet black (similar to RAL 9005)

### Electrical information

	<b>Nominal voltage</b>	600/1000 V (following DIN VDE 0250)
	<b>Testing voltage</b>	4000 V (following DIN EN 50396)

### Properties and approvals

	<b>UV-resistant</b>	High
	<b>Oil</b>	Oil-resistant (following DIN EN 60811-2-1), bio-oil-resistant (following VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4
	<b>Flame-retardant</b>	According to IEC 60332-1-2, CEI 20-35, FT1, VW-1









 EPLAN download, configurators ► [www.igus.eu/CFBRAID](http://www.igus.eu/CFBRAID)

**1,040 types from stock no cutting costs ...**

(up to 10 cuts of the same types)

## Class 6.6.4

6 extremely heavy duty applications 6 travel distance up to 400 m and more 4 oil-resistant

	<b>Silicon-free</b>	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992)
	<b>EAC</b>	Certified according to No. TC RU C-DE.ME77.B.01255
	<b>CTP</b>	Certified according to No. C-DE.PB49.B.00420
	<b>CEI</b>	Following CEI 20-35
	<b>Lead free</b>	Following 2011/65/EC (RoHS-II)
	<b>Clean room</b>	According to ISO Class 1. Outer jacket material complies with CF34.UL.25.04.D, tested by IPA according to standard 14644-1
	<b>DESINA</b>	According to VDW, DESINA standardisation
	<b>CE</b>	Following 2006/95/EC

### Typical application areas

- For extremely heavy duty applications
- Almost unlimited resistance to oil, also with bio-oils
- Indoor and outdoor applications, UV-resistant
- Gliding travel distances up to 400 m and more
- Storage and retrieval units for high-bay warehouses, quick handling, indoor/outdoor cranes, low-temperature applications
- Especially for applications with corkscrew-risk

### What is special about the CFBRAID?


Due to their unique type of design and especially in the case of cross-sections  $\geq 2.5 \text{ mm}^2$  and long distances of travel with large numbers of cycles, cables with 7 cores have an increased tendency toward the formation of corkscrews. Due to the special design of the CF.BRAID with 8 braided cores, corkscrews can be completely ruled out.

Delivery program Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]
CFBRAID.25.08	8 G 2.5	20.0	212	451
CFBRAID.25.08.C <sup>®</sup>	(8 G 2.5)C	23.5	352	716

<sup>®</sup> without Desina  
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

 **Order example: CFBRAID.25.08 – in your desired length (0.5 m steps)**  
CFBRAID chainflex® series .25 Code nominal cross section .08 Number of cores

 Online order ► [www.chainflex.eu/CFBRAID](http://www.chainflex.eu/CFBRAID)

 Delivery time 24h or today.  
Delivery time means time until shipping of goods.

**... no minimum order quantity ...**

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