

Hybrid cable ● PUR outer jacket ● Shielded ● Oil resistant and coolant-resistant ● Flame retardant ● PVC and halogen-free ● Notch-resistant ● Hydrolysis and microbe-resistant





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6	Dynamic information			
	Bend radius	e-chain [®] linear flexible fixed	minimum 10 x d minimum 8 x d minimum 5 x d	
	Temperature	e-chain [®] linear flexible fixed	-25 °C up to +80 °C -40 °C up to +80 °C (following DIN EN 60811-504) -50 °C up to +80 °C (following DIN EN 50305)	
COTTON	v max.	unsupported gliding	3 m/s 2 m/s	
	a max.	20 m/s ²		
V	Travel distance	Unsupported travels ar	nd up to 100 m for gliding applications, Class 5	

These values are based on specific applications or tests. They do not represent the limit of what is technically feasible.

Guaranteed service life according to guarantee conditions

Double strokes	1 million	3 million	5 million
Temperature, from/to [°C]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-25/-15	12.5	13.5	14.5
-15/+70	10	11	12
+70/+80	12.5	13.5	14.5

Minimum guaranteed service life of the cable under the specified conditions.

The installation of the cable is recommended within the middle temperature range.

Electrical information



600/1000 V (following DIN VDE 0298-3)

Testing voltage

4000 V (following DIN EN 50395)

Example image

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FAUs NFPA REACH RoHS-I



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Technical tables:

Mechanical information

Part No.	Number of cores and conductor nominal cross section [mm ²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
CFSPECIAL.792.011	(5x(2x6.0+2x2.5)+2x(6x1.0)C)C	35.5	1250	2026
CFSPECIAL.792.012	(18G2.5)C	25.5	545	920
CFSPECIAL.792.013	((6x1.5)C+3x(3x4)+1G6)C	28.0	679	1209
CFSPECIAL.792.014	(2x(3x1.5)C+3x(3x10)+1G10)C	36.0	1346	2089
CFSPECIAL.792.015	(7x(6x2.0))C	36.5	999	1680
CFSPECIAL.792.016	(5x(4x0.25)+10x(3x0.75))C	27.0	422	854

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

Electrical information

Conductor nominal cross section [mm²]	Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2) [Ω /km]	Maximum current rating at 30 °C (following DIN VDE 0298-4) [A]
0.25	79.0	5
0.75	26.0	14
1.0	19.5	17
1.5	13.3	21
2.0	10.0	26
2.5	8.0	30
4.0	4.95	41
6.0	3.3	53
10	1.91	74

The final maximum current rating depends among other things on the ambient conditions, the type of the installation and the number of loaded cores.

chainflex® CFSPECIAL.792

iqus®



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Part No.	Core group	Colour code	Core design
CFSPECIAL.792.011	10x6.0	Black cores with white numbers 1-9, one green-yellow core	0000
	10x2.5	Black cores with white numbers 10-18, one green-yellow core	
	2x(6x1.0)C	Black cores with white numbers 19-30	
CFSPECIAL.792.012	(18G2.5)C	Black cores with white numbers 1-17, one green-yellow core	
CFSPECIAL.792.013	(6x1.5)C	Black cores with white numbers 10-15	
	3x(3x4)	Black cores with white numbers 1-9	
	1G6	Green-yellow core	
CFSPECIAL.792.014	2x(3x1.5)C	Black cores with white numbers 10-15	
	3x(3x10)	Black cores with white numbers 1-9	
	1G10	Green-yellow core	
CFSPECIAL.792.015	7x(6x2.0)	Black cores with white numbers 1-29 Blue cores with white numbers 1-4 Yellow cores with black numbers 1-9	
	5x(4x0.25)	(blue/violet/brown/green),(grey/violet/yellow/ brown),(grey/blue/brown/green),(grey/blue/ green/yellow),(green/violet/brown/yellow)	
FSPECIAL.792.016	10x(3x0.75)	Brown cores with white numbers 1, 7, 24 & 30 Black cores with white numbers 16-21 Blue cores with white numbers 2, 8 & 25 Green cores with black numbers 3, 9 & 26 Yellow cores with black numbers 5, 22 & 28 Red cores with white numbers 11-15 Violet cores with white numbers 4, 10 & 27	

Example image