

Motor cable for TopDrive applications | For heavy duty applications, PUR outer jacket, oil-resistant and coolant-resistant, flame retardant, PVC and halogen-free, UV-resistant, hydrolysis and microbe-resistant



04/2024

Data sheet chainflex® CFSPECIAL.562.PE



Motor cable for TopDrive applications | For heavy duty applications, PUR outer jacket, oil-resistant and coolant-resistant, flame retardant, PVC and halogen-free, UV-resistant, hydrolysis and microbe-resistant

Dynamic information	on		
Bend radius	e-chain [®] linear flexible fixed	minimum 10 x d minimum 8 x d minimum 5 x d	
*c 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)	
v max.	unsupported gliding	10 m/s 2 m/s	
a max.	50 m/s²		
Travel	For hanging TopDr	rive applications up to 50 m	.A
These values are based on sp	ecific applications or te	ests. They do not represent the limit of what is technically feasible.	
			NFF
Electrical informati	on		6
Kominal voltage	600/1,000V (follow 1,000V (following l	ving DIN VDE 0298-3) UL)	
Testing voltage	4000 V (following I	DIN EN 50395)	REA
			Rot
			C

Example image



Motor cable for TopDrive applications | For heavy duty applications, PUR outer jacket, oil-resistant and coolant-resistant, flame retardant, PVC and halogen-free, UV-resistant, hydrolysis and microbe-resistant

Properties and app	provals	
UV resistance	High	
Oil resistance	Oil-resistant (following DIN EN 50363-10-2)	
Offshore	MUD-resistant following NEK 606 - status 2009	
Flame retardant	According to IEC 60332-1-2, FT1, VW-1	
Silicone-free	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)	
Halogen-free	Following DIN EN 60754	cRLus
PFAS-free	Use of PFAS-free materials according to the content of the REACH directive and its rules for the production and processing of chemical substances	(nec)
UL/CSA AWM	Details see table UL/CSA AWM	2 NEAD
	Following NFPA 79-2018, chapter 12.9	NFPA
	Type Approval Certificate TAE00004G3	
REACH	In accordance with regulation (EC) No. 1907/2006 (REACH)	
Lead-free	Following 2011/65/EC (RoHS-II/RoHS-III)	REACH
CECE	Following 2014/35/EU	RoHS

Properties and approvals

UL/CSA AWM Details

Conductor nominal cross section [mm²]	Number of cores	UL style core insulation	UL style outer jacket	UL Temperature Rating [°C]	UL Voltage Rating [V]
70	1	10492	10835	80	1000

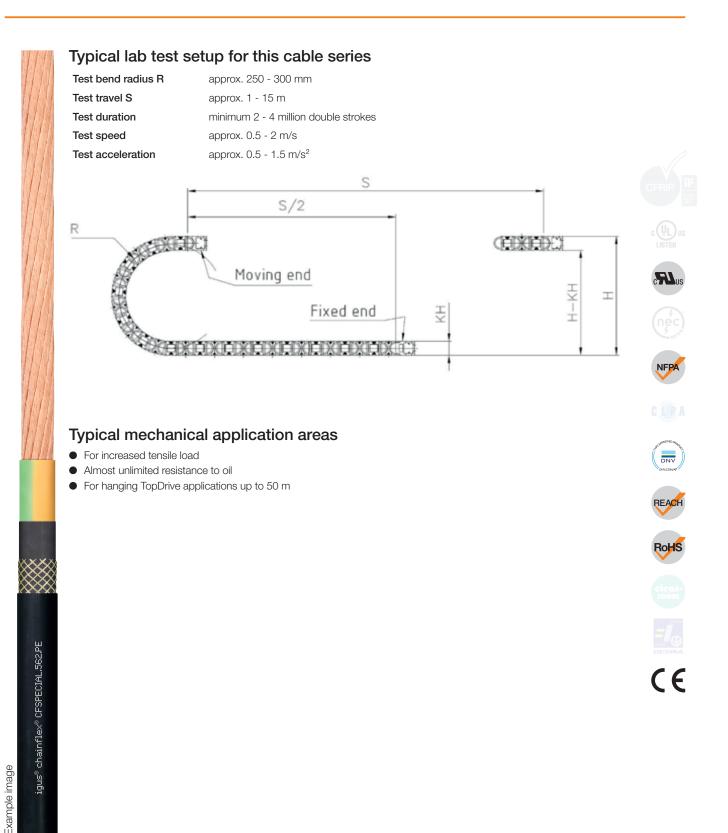
igus® chainflex® CFSPECIAL.562.PE

04/2024

CE



Motor cable for TopDrive applications | For heavy duty applications, PUR outer jacket, oil-resistant and coolant-resistant, flame retardant, PVC and halogen-free, UV-resistant, hydrolysis and microbe-resistant



04/2024



Motor cable for TopDrive applications | For heavy duty applications, PUR outer jacket, oil-resistant and coolant-resistant, flame retardant, PVC and halogen-free, UV-resistant, hydrolysis and microbe-resistant

	Number of cores and conductor nominal cross section [mm ²]	Outer diameter maximum [mm]	Copper index [kg/km]	Weight [kg/km]
CFSPECIAL.562.PE.700.01	1G70	19.5	713	867
Note: The given outer diamete G = with green-yellow earth co	rs are maximum values and may tend t re x = without earth core	oward lower tolerance I	imits.	
Electrical information				
Conductor nominal cross section	Maximum conductor resistance at 20 °C Max. current ra (following DIN EN 50289-1-2)		current rating	at 30 °C
[mm ²] 70	[Ω/km] 0.272	[A]	85	
	Number of core	25	Core design	
	Number of core	95	Core design	
Design table Part No. CFSPECIAL.562.PE.700.01	Number of core	95	Core design	
Part No.		25	Core design	
		25	Core design	

04/2024

Example image