





# Motor cable for top drive applications | PUR

## chainflex® CFSPECIAL.562.PE





- For top drive 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

Now with DNV approval for top drive hanging applications up to 50m



### Dynamic information

 <b>Bend radius</b>	<b>e-chain® linear flexible</b>	minimum 10 x d
	<b>fixed</b>	minimum 8 x d
	<b>e-chain® linear flexible</b>	-25°C up to +80°C
	<b>fixed</b>	-40°C up to +80°C (following DIN EN 60811-504)
	<b>fixed</b>	-50°C up to +80°C (following DIN EN 50305)
 <b>v max.</b>	<b>unsupported</b>	10m/s
 <b>a max.</b>	<b>sliding</b>	2m/s
 <b>Travel distance</b>	For top drive hanging applications up to 50m	

### Cable structure

 <b>Conductor</b>	Conductor cable consisting of pre-leads (following DIN EN 60228).
 <b>Core insulation</b>	Mechanically high-quality TPE mixture.
 <b>Core identification</b>	Green-yellow
 <b>Outer jacket</b>	<p><b>1. Outer jacket:</b> PUR mixture adapted to suit the requirements in e-chains®.</p> <p><b>Reinforcement:</b> High tensile strength aramid braid embedded in the outer jacket.</p> <p><b>2. Outer jacket:</b> Low-adhesion, halogen-free PUR mixture, highly abrasion and bending-resistant, adapted to suit the requirements in top drive hanging applications (following DIN EN 50363-10-2).</p> <p>Colour: jet black (similar to RAL 9005)</p>

### Electrical information

 <b>Nominal voltage</b>	600/1,000V (following DIN VDE 0298-3)
 <b>Testing voltage</b>	4,000V (following DIN EN 50395)

### Properties and approvals

 <b>UV resistance</b>	High
 <b>Oil resistance</b>	Oil-resistant (in accordance with DIN EN 50363-10-2)
 <b>Offshore</b>	MUD-resistant following NEK 606 - status 2016
 <b>Flame-retardant</b>	According to IEC 60332-1-2, Cable Flame, VW-1, FT1, FT2 / Horizontal Flame
 <b>Silicone-free</b>	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)
 <b>Halogen-free</b>	Following DIN EN 60754
 <b>UL verified</b>	Certificate No. B129699: „igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year“
 <b>UL/CSA AWM</b>	See data sheet for details ► <a href="http://www.igus.eu/CFSPECIAL562PE">www.igus.eu/CFSPECIAL562PE</a>
 <b>NFPA</b>	Following NFPA 79-2018, chapter 12.9
 <b>DNV</b>	Type Approval Certificate TAE00004G3
 <b>REACH</b>	In accordance with regulation (EC) No. 1907/2006 (REACH)
 <b>Lead-free</b>	Following 2011/65/EC (RoHS-II)
 <b>CE</b>	Following 2014/35/EU
 <b>UKCA</b>	In accordance with the valid regulations of the United Kingdom (as at 08/2021)

### Typical application areas

- For high tensile loads
- Almost unlimited resistance to oil
- For top drive hanging applications up to 50m

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
<b>CFSPECIAL.562.PE.700.01</b>	1G70	19.5	713	867

**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



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Example image