

Hybrid cable for hanging applications | PUR  
chainflex® CFSPECIAL.192









- For high tensile loads
- PUR outer jacket
- Shielded
- Oil-resistant and coolant-resistant
- Flame-retardant
- PVC and halogen-free
- Notch-resistant
- Hydrolysis and microbe-resistant

Especially for  
MOVILINK® DDI  
technology  
from SEW-  
EURODRIVE



Dynamic information

	<b>Bend radius</b>	<b>e-chain® linear</b>	minimum 10 x d
		<b>flexible</b>	minimum 8 x d
		<b>fixed</b>	minimum 5 x d
	<b>Temperature</b>	<b>e-chain® linear</b>	-25°C up to +80°C
		<b>flexible</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>gliding</b>	2m/s
	<b>Travel distance</b>		For hanging applications up to 50 m













Cable structure

	<b>Conductor</b>	Stranded conductor in especially bending-resistant version consisting of bare copper wires (following DIN EN 60228).
	<b>Core insulation</b>	Mechanically high-quality, especially low-capacitance XLPE mixture. <b>HF50-0.9/2.95:</b> Special PE mixture.
	<b>Core structure</b>	Power cores and control pair elements wound with a short pitch length around a high tensile strength centre element.
	<b>Core identification</b>	According to Servo-Hybrid specification. Current data sheet ► <a href="http://www.igus.eu/CFSPECIAL192">www.igus.eu/CFSPECIAL192</a>
	<b>Element shield</b>	Bending-resistant braiding made of tinned copper wires.
	<b>Inner jacket</b>	TPE mixture adapted to suit the requirements in e-chains®.
	<b>Overall shield</b>	Bending-resistant braiding made of tinned copper wires. Coverage linear approx. 70%, optical approx. 90%
	<b>Outer jacket</b>	<b>1. Outer jacket:</b> PUR mixture adapted to suit the requirements in e-chains®. <b>Reinforcement:</b> High tensile strength aramid braid embedded in the outer jacket. <b>2. Outer jacket:</b> Low-adhesion, halogen-free PUR mixture, highly abrasion and bending-resistant, adapted to suit the requirements in hanging applications (following DIN EN 50363-10-2). Colour: Pastel orange (similar to RAL 2003)

Electrical information

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

Properties and approvals

	<b>Oil resistance</b>	Oil-resistant (following DIN EN 50363-10-2), Class 3
	<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>PFAS-free</b>	Use of PFAS-free materials according to the content of the REACH directive and its rules for the production and processing of chemical substances
	<b>UL/CSA AWM</b>	See data sheet for details ► <a href="http://www.igus.eu/CFSPECIAL192">www.igus.eu/CFSPECIAL192</a>
	<b>NFPA</b>	Following NFPA 79-2018, chapter 12.9
	<b>REACH</b>	In accordance with regulation (EC) No. 1907/2006 (REACH)
	<b>Lead-free</b>	Following 2011/65/EC (RoHS-II/RoHS-III)
	<b>DESINA</b>	According to VDW, DESINA standardisation
	<b>CE</b>	Following 2014/35/EU

Typical application areas

- For high tensile loads
- For hanging applications up to 50 m
- Almost unlimited resistance to oil
- Storage and retrieval units, hanging control units, lifts

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
CFSPECIAL.192.H207.15.04.D	(4G1.5+2x(2x1.0)C +HF50-0.9/2.95)C	17.0	199	377

**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