431

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

Bend radius	e-chain® linear	minimum 10 x d
(CR	flexible	minimum 8 x d
	fixed	minimum 5 x d

° Temperature e-chain[®] linear -25°C up to +80°C

flexible -40°C up to +80°C (following DIN EN 60811-504) fixed -50°C up to +80°C (following DIN EN 50305)

v max. unsupported 10m/s gliding 2m/s a max. 50m/s^2

Travel distance For hanging applications up to 50 m

Cable structure

Core structure

Conductor	Stranded conductor in especially bending-resistant version consisting of bare

copper wires (following DIN EN 60228). Mechanically high-quality, especially low-capacitance XLPE mixture.

Core insulation HF50-0.9/2.95: Special PE mixture.

Power cores and control pair elements wound with a short pitch length around a high tensile strength centre element.

Core identification According to Servo-Hybrid specification. Current data sheet ▶ www.igus.eu/CFSPECIAL192

Bending-resistant braiding made of tinned copper wires.

Inner jacket TPE mixture adapted to suit the requirements in e-chains[®].

Overall shield Bending-resistant braiding made of tinned copper wires. Coverage linear approx. 70%, optical approx. 90% Outer jacket

1. Outer jacket: PUR mixture adapted to suit the requirements in e-chains[®]. Reinforcement: High tensile strength aramid braid embedded in the outer jacket. 2. Outer jacket: 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)

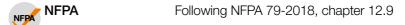
Electrical information

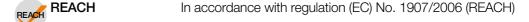
600/1,000V (following DIN VDE 0298-3) Nominal voltage

1,000V (following UL)

4,000V (following DIN EN 50395) Testing voltage

Oil-resistant (following DIN EN 50363-10-2), Class 3
MUD-resistant following NEK 606 - status 2016
According to IEC 60332-1-2, Cable Flame, VW-1, FT1, FT2 / Horizontal Flame
Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)
Following DIN EN 60754
Use of PFAS-free materials according to the content of the REACH directive and its rules for the production and processing of chemical substances
See data sheet for details ▶ www.igus.eu/CFSPECIAL192





RoHS Lead-free	Following 2011/65/EC (RoHS-II/RoHS-III)
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DESINA	According to VDW, DESINA standardisation
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C € ^{CE} 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



