



Technical Data

- Special cable for drag chain applications in clean rooms
- **Temperature range**
flexing -20°C up to +80°C
fixed -40°C up to +80°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
core/core 1500 V
- **Insulation resistance**
min. 100 MOhm x km
- **Minimum bending radius**
flexing 7.5 x cable Ø
fixed 4.0 x cable Ø
- **Radiation Resistance**
up to 100x10⁶ cJ/kg (up to 100Mrad)

Approbations

- UL-Style 20233
- IPA

Cable construction

- Bare copper, extra fine wire conductors to DIN VDE 0295 cl. 6, column 5 and IEC 60228 cl. 6, column 5
- Core insulation TPE-E
- Core identification: black numbered cores + green/yellow according to DIN VDE 0293
- Cores stranded in torsion-free layers with optimal lay-length
- Wrapping with fleece-tape over the outer layer
- Outer sheath full polyurethane TPU according to DIN VDE 0281 part 10, annex A and according to UL standard 1581 Tab. 50227 80°C
- Colour of outer sheath: black, dull, RAL 9004
- Printing:
HELUKABEL CLEANFLEX®-HF
4x0.25 QMM E 170315 RU AWM
STYLE 20233 24AWG 4C VW1
cRU AWM I/II A/B 80°C 300V FT1 /
708300 production order No. CE
RoHS continuous meter marking

Properties

- Flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Oil resistance according to IEC 60092-350
- Halogen free
- Weather, ozone and UV resistant
- Chemical resistance to solvents, acids, alkalis and hydraulic fluids
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of laquers

Advantages

- Very high resistance to mechanical stresses
- Very good alternating bending strength
- High tear, abrasion and impact resistance, even at low temperatures

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC

Part No.	No.pairs x cross section mm ²	outer Ø ca. mm	Copper weight kg / km	Part No.	No.pairs x cross section mm ²	outer Ø ca. mm	Copper weight kg / km
708301	2 x 0.5	4.5	9.6	708405	7G0.75	8.1	50.4
708302	4 G 0.5	5.5	20.74	708406	4G1.5	7.0	57.6
708303	7 G 0.5	6.6	36.29	708308	4G2.5	8.6	96
708304	4 G 0.75	6.1	28.2				