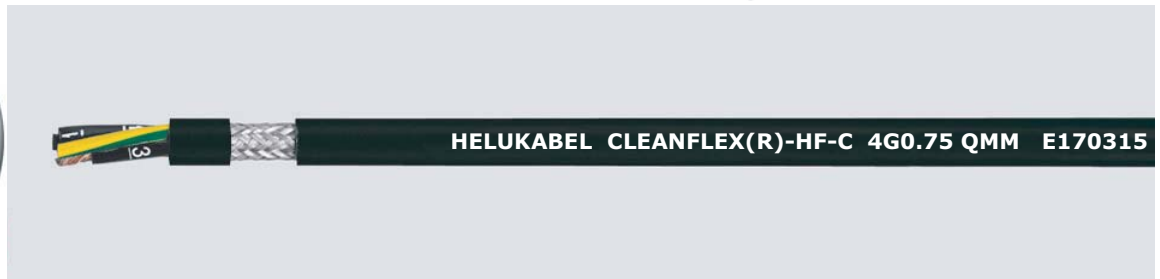
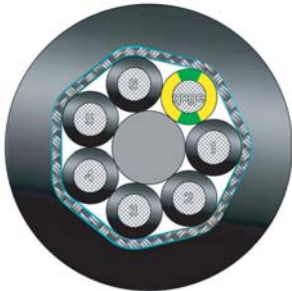


# HELUKABEL CLEANFLEX®-HF-C

screened cable for  
drag chain applications in clean rooms



## 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**  
 $U_0/U$  300/500 V
- **Test voltage**  
core/core 1500 V  
core/screen 1000 V
- **Insulation resistance**  
min. 100 MΩm x km
- **Minimum bending radius**  
flexing 7.5 x cable Ø  
fixed 4.0 x cable Ø
- **Radiation Resistance**  
up to  $100 \times 10^6$  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 polyester-fleece-tape
- Screened with tinned copper wire braiding
- Wrapping with fleece-tape over the screen
- 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-C  
7G0.75 QMM E 170315 RU AWM  
STYLE 20233 18AWG 7C VW1  
cRU AWM I/II A/B 80°C 300V FT1 /  
708306 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

**EMC** = Electromagnetic Compatibility - To optimise the EMC characteristics we recommend a large area of contact of the copper braiding around the entire circumference on both ends

**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 <sup>2</sup>	outer Ø ca. mm	Copper weight kg / km	Part No.	No.pairs x cross section mm <sup>2</sup>	outer Ø ca. mm	Copper weight kg / km
708804	4 G 0.5	6.2					
708305	4 G 0.75	7.1	47.5				
708306	7 G 0.75	9.2	75.2				
708307	4 G 1.5	7.6	78.6				

