

# KOMPOSPEED® JZ-HF-500 halogen-free, microbes resistant, cable for drag chains



HELUKABEL KOMPOSPEED JZ-HF-500 4G2,5 QMM / 26341 300/500 V 001042079 C €



## Technical data

- Microbes resistant, halogen-free special control cable in adapted to DIN VDE 0281 part 13 and E DIN VDE 0245
- **Temperature range**  
flexing -30°C to +90°C  
fixed installation -40°C to +100°C
- **Nominal voltage** U<sub>0</sub>/U 300/500 V
- **Test voltage** 3000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Minimum bending radius**  
flexing 7,5x cable Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

## Cable construction

- Tinned copper, extra fine wire conductors, bunch stranded to DIN VDE 0295 cl. 6, BS 6360 cl. 6 and IEC 60228 cl. 6
- Special thermoplastic polymer core insulation for better sliding abilities
- Black cores with continuous white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal selected lay-length
- Core wrapping with fleece thermoplastic polymer
- Outer sheath, special thermoplastic polymer
- Colour black (RAL 9005)

## Properties

- **Resistant to**  
UV-radiation  
Oxygene  
Ozone  
Microbes  
Hydrofluoric acid  
Hydrochloric acid  
and diluted sulfuric acid
- Low adhesion
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

HELUKABEL® KOMPOSPEED JZ-HF-500 control cable is significant due to its resistance against microbes. This cable is specially installed in rubbish, sewage-treatment plants, composting works, animal stalls and greenhouses. Suitable for installation for flexible use for medium mechanical, stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms as well as outside. The high flexibility of this cable type makes it quick and easy to install. For applications which go beyond standard solutions (for example for composting appliances or high shelf conveyors with extremely high processing speeds etc.) we recommend for our especially developed enquiry sheet for energy guiding systems. Before installation in cable trays please read the instructions. Further technical details see selection table for drag chain cables, see lead text. C € = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
26307	2 x 0,5	5,0	9,6	42,0	20
26308	3 G 0,5	5,3	14,4	51,0	20
26309	4 G 0,5	5,7	19,1	62,0	20
26310	5 G 0,5	6,4	24,0	88,0	20
26311	7 G 0,5	7,5	33,6	119,0	20
26312	12 G 0,5	9,2	58,0	166,0	20
26313	18 G 0,5	11,1	86,4	273,0	20
26314	25 G 0,5	13,4	120,0	330,0	20
26315	2 x 0,75	5,4	14,4	53,0	18
26316	3 G 0,75	5,7	21,6	70,0	18
26317	4 G 0,75	6,4	29,0	92,0	18
26318	5 G 0,75	7,0	36,0	116,0	18
26319	7 G 0,75	8,3	50,0	159,0	18
26320	12 G 0,75	10,2	86,0	241,0	18
26321	18 G 0,75	12,1	130,0	346,0	18
26322	25 G 0,75	14,9	180,0	681,0	18
26323	2 x 1	5,7	19,2	60,0	17
26324	3 G 1	6,0	29,0	79,0	17
26325	4 G 1	6,8	38,5	107,0	17
26326	5 G 1	7,4	48,0	127,0	17
26327	7 G 1	8,8	67,0	181,0	17
26328	12 G 1	10,8	115,0	284,0	17
26329	18 G 1	13,0	173,0	397,0	17
26330	25 G 1	15,8	240,0	491,0	17

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
26331	2 x 1,5	6,4	29,0	88,0	16
26332	3 G 1,5	6,8	43,0	104,0	16
26333	4 G 1,5	7,4	58,0	137,0	16
26334	5 G 1,5	8,3	72,0	171,0	16
26335	7 G 1,5	9,9	101,0	264,0	16
26336	12 G 1,5	12,1	173,0	381,0	16
26337	18 G 1,5	14,5	259,0	579,0	16
26338	25 G 1,5	17,8	360,0	789,0	16
26339	2 x 2,5	7,7	48,0	118,0	14
26340	3 G 2,5	8,4	72,0	172,0	14
26341	4 G 2,5	9,1	96,0	197,0	14
26342	5 G 2,5	10,2	120,0	258,0	14
26343	7 G 2,5	12,2	168,0	347,0	14
26344	12 G 2,5	15,2	288,0	561,0	14
26345	18 G 2,5	18,1	432,0	791,0	14
26346	25 G 2,5	22,5	600,0	1090,0	14

Dimensions and specifications may be changed without prior notice.