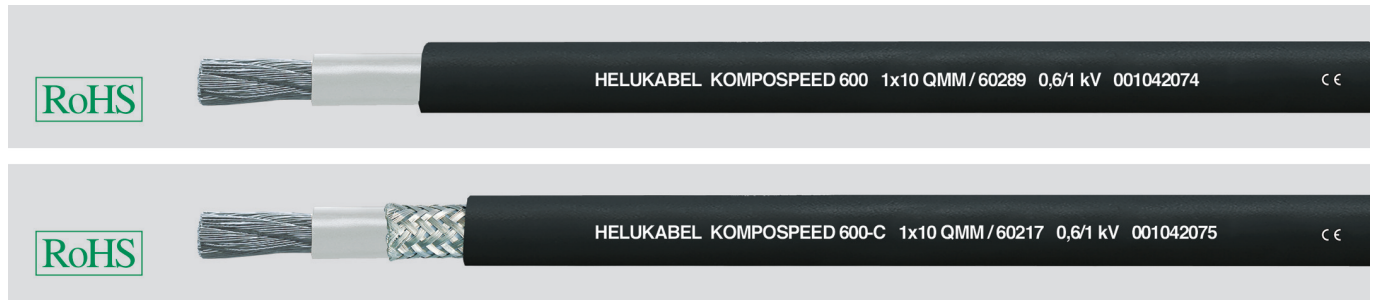


KOMPOSPEED® 600 / 600-C 0,6/1kV, halogen-free, special single cores for drag chains, EMC-preferred type



Technical data

- Special drag chain single cores for high mechanical stress, adapted to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31
- **Temperature range**
flexing -30°C to +90°C
fixed installation -40°C to +100°C
- Permissible **operating temperature** at conductor +90°C
- **Nominal voltage** U₀/U 600/1000 V
- **Test voltage** 3000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
KOMPOSPEED® 600
flexing installation 5x outer Ø
fixed installation 3x outer Ø
KOMPOSPEED® 600-C
flexing installation 7,5x outer Ø
fixed installation 4x outer Ø

Cable structure

KOMPOSPEED® 600

- Tinned copper, extra fine wire conductors, bunch stranded to DIN VDE 0295 cl.6, col. 4, BS 6360 cl.6 and IEC 60228 cl.6
- Core insulation of special thermoplastic polymer, natural coloured
- Outer sheath of special polyolefin
- Sheath colour black (RAL 9005)

KOMPOSPEED® 600-C

- Structure as above up to core insulation
- Screen of tinned cu-braid, coverage approx. 85%
- Outer sheath of special polyolefin
- Sheath colour black (RAL 9005)

Properties

- Very good oil resistant
- Halogen free
- Abrasion resistant
- **Resistant to**
Coolants
Microbes
UV-radiation
Weather
Hydrofluoric acid
Hydrochloric acid
Diluted sulfuric acid
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

The special single cores are used for permanent flexible applications in machineries, machine tools, composting appliances and sewage-treatment plants, animal stalls and greenhouses and used for permanent flexible application for movable automated machinery parts and multi-shift operation as well as in open air. These cables are installed for flexible use with free movements without tensile stress or forced movements and suitable for application in drag chains. The selected tinned copper wire conductor and tinned copper wire braid permit the installation in aggressive environments as well as hydrogen sulfide, ammonia and sulfur dioxide.

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.

KOMPOSPEED® 600-C

These screened cables are particularly suitable for the interference-free transmission in instrumentation and control engineering applications (electromagnetic compatibility).

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

KOMPOSPEED® 600

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
60288	1 x 6	6,5	58,0	83,0	10
60289	1 x 10	8,4	96,0	132,0	8
60290	1 x 16	9,5	154,0	188,0	6
60291	1 x 25	11,2	240,0	281,0	4
60292	1 x 35	13,0	336,0	404,0	2
60293	1 x 50	15,4	480,0	531,0	1
60294	1 x 70	17,2	672,0	729,0	2/0
60295	1 x 95	20,0	912,0	1049,0	3/0
60296	1 x 120	21,0	1152,0	1220,0	4/0
60297	1 x 150	23,8	1440,0	1510,0	300 kcmil
60298	1 x 185	26,2	1776,0	1932,0	350 kcmil

KOMPOSPEED® 600-C

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
60216	1 x 6	7,3	71,0	101,0	10
60217	1 x 10	9,1	122,0	168,0	8
60218	1 x 16	10,1	180,0	217,0	6
60219	1 x 25	12,2	282,0	342,0	4
60220	1 x 35	14,2	386,0	468,0	2
60221	1 x 50	17,0	535,0	584,0	1
60222	1 x 70	19,2	750,0	822,0	2/0
60223	1 x 95	21,8	1004,0	1190,0	3/0
60224	1 x 120	23,8	1260,0	1400,0	4/0
60225	1 x 150	26,0	1570,0	1710,0	300 kcmil
60226	1 x 185	28,8	1911,0	2021,0	350 kcmil
62500	1 x 240	34,0	2470,0	2850,0	500 kcmil

Dimensions and specifications may be changed without prior notice. (RK01)