HK-SO-Li2GC2G 2 x 2,5 mm², 3 kV, shielded

High voltage cable for connection of uv lamps

The typical application of this cable is the use for supplying uv lamps with Electronic Power Supplies (EPS), which need shielded cables to apply to the EMC rules, due to the principal disturbances of the EPS', either working with rectangular shaped currents or with high frequency sinusoidal currents. This twin cable has a voltage capacity of 3kV continuous and can stand the typical igniting pulses up to 5kV.

Technical data	
Art. No.	022 06201 0000
Conductor	copper, stranded, tin plated 2 x 2.5 mm²
Dielectric strength	3,000 V (RMS)
Test voltage	10 kV (wire – wire) 8 kV (wire – shield)
Cross section	conductor: 2x 2.5 mm² shield: 85% covering
Conductor construction	50 x 0.25 mm
Insulation	silicone
Color	red
Outer diameter	approx. 12.5 ± 0.5 mm
Min. bending radius	6 x D = 75 mm
Current carrying capacity	approx. 26 A at temp. + 150 °C approx. 24 A at temp. + 155 °C approx. 18 A at temp. + 165 °C
Temperature stability	Max. +180° C max. for approx. 25,000 h (adequate ventilation provided) + 230° C for short time
Ozone stability	mostly; when using with UV medium pressure lamps no problems are expected; with lamps type "S" (made of synthetic quartz; mostly ozone producing) an embrittlement of insulation is expected and corrosion of the conductor in the long run.
UV stability	UV-A and UV-B (sun exposure) Practice shows, that silicone is not stable against UV-C in the long run (embrittlement of insulation). So silicone cables have to be shielded against intensive UV light.
Flame retardance	acc. to IEC 60332-1-2
Halogen	free of hologen acc. to IEC60754-2 (VDE 0472 part 813)
EC Directives	The cable is conform to EC Directive 2011/65/EC (RoHS, Restriction of Hazardous Substances).
Standards	Rated and test voltage in accordance with DIN 57 250 Part 1 / VDE 0250 Part 1; Construction of the conductor according to DIN EN 60228 and VDE 0295 Class 5
Delivery	cut on request ≥ 5 m in 100 m rings from 1,000 m on cable drum
Delivery time	usually from stock, 1,000 m cable drum on request