

# OB-602 PUR YELLOW 80°C, 600V, two approvals control cable



HELUKABEL OB-602 PUR YELLOW 4G2,5 QMM / 12548 600 V 001044489

CE



## Technical data

- Control cable of special-PUR to UL Style 21127 and CSA AWM I/II A/B
- Temperature range**  
**DIN VDE**  
flexing -40°C to +90°C  
fixed installation -50°C to +90°C  
**UL**  
flexing to +75°C  
fixed installation to +75°C  
**CSA**  
flexing to +80°C  
fixed installation to +80°C
- Nominal voltage**  
DIN VDE U<sub>0</sub>/U 300/500 V  
UL/CSA U 600 V
- Test voltage** 3000 V
- Minimum bending radius**  
flexing 6x cable Ø  
fixed installation 4x cable Ø
- Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

## Cable construction

- Bare copper, fine wire stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of special thermoplast
- Cores colour to UL colour code
- Colour code**  
1 cores: black  
2 cores: white  
3 cores: red  
4 cores: green  
5 cores: brown
- Cores stranded in layers with optimal lay-length
- Core wrapping with fleece
- PUR outer jacket TPU to DIN VDE 0282 part 10, attachment A
- Jacket colour yellow (RAL 1021)

## Properties

- Resistant to mineral oils, synthetic oils and refrigerants, UV-radiation, ozon and oxygen
- High abrasion resistance
- Tear and cut-resistant
- Notch resistant
- The materials used in manufacturing are cadmium-free and do not contain no silicone any silicone and free from substances harmful to the wetting properties of lacquers

## Tests

- Flame test** to DIN VDE 0485 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B), UL VW-1, CSA FT1 und FT2
- Halogen-free** according to DIN VDE 0482 part 267/ EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815)
- Corrosiveness of combustion gases** according to DIN VDE 0482 part 267/ EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)

## Application

Extremely robust duo-standard flexible control cable up to 600V. Used in nearly all machines, plants and devices for U.S. and Canadian markets. Suitable for dry moist and wet areas and outdoor applications with medium mechanical stresses for flexible applications with free movement without tensile stresses. This PUR control cable is used in tool making machinery, conveyor systems and production lines, in air conditioning, iron, steel and chemical industries.

CE= 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>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
12544	3 x 1,5	16	8,0	43,0	89,0
12545	4 x 1,5	16	8,6	58,0	108,0
12546	5 x 1,5	16	9,3	72,0	130,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
12547	3 x 2,5	14	9,0	72,0	124,0
12548	4 x 2,5	14	9,9	96,0	150,0
12549	5 x 2,5	14	10,9	120,0	184,0

Dimensions and specifications may be changed without prior notice.