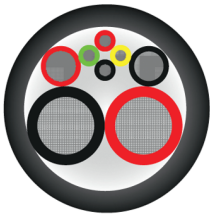


# HELUKABEL® ISOBUS PUR

Hybrid cable for data transmission between tractor and accessory equipment



## Technical data

- PUR-Hybrid cable for data transmission in the agricultural industry
- **Temperature range**  
flexing -20°C to +85°C  
fixed installation -40°C to +85°C
- **Nominal voltage**  
U<sub>0</sub>/U 300/500 V
- **Test voltage**  
2000 V min. 5 Min.
- Conductor resistance acc. to DIN 50395  
0,5 mm<sup>2</sup> ≤ 39,0 Ω/km  
2,5 mm<sup>2</sup> ≤ 7,98 Ω/km  
6 mm<sup>2</sup> ≤ 3,3 Ω/km  
10 mm<sup>2</sup> ≤ 1,91 Ω/km  
16 mm<sup>2</sup> ≤ 1,21 Ω/km
- **Minimum bending radius**  
flexing 12 x cable Ø  
fixed installation 6 x cable Ø

## Cable structure

- bare copper conductor, finely stranded acc. to DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
- **stranding elements:**
- 4x0,5 mm<sup>2</sup>:  
core insulation: PP  
core colours: red, yellow, black, green  
acc. to ISO 11783-2  
cores stranded in star quad formation  
wrapping with synthetic fleece
- 2x2,5 mm<sup>2</sup>:  
core insulation: PVC  
core colours: red, black
- 2x6/10/16 mm<sup>2</sup>:  
core insulation: PVC  
core colours: red, black
- stranding: cores with optimal lay-lengths, with filler elements
- wrapping: with fibre tape / synthetic fleece
- outer sheath: TPU
- sheath colour: black (similar RAL9005)

## Properties

- the materials used in production are free of silicone, cadmium and substance inhibiting paint adhesion
- abrasion-resistant, wear-resistant
- resistant against: UV-rays, weather conditions, microbes, ammonia
- suitable for high pressure cleaning depending on temperature, exposure time and water pressure

## Tests

- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-40
- flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- MUD resistant acc. IEC 61892-Annex D

## Note

- customised construction solutions are available on request

## Application

The ISOBUS system is a robust hybrid cable used for agricultural vehicles and machines. Optimum performance materials enable long-term durability for deployment in agricultural technology.

CE = Product complies to the Low-Voltage Directive 2014/35/EU

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Copper weight kg / km	Weight app. kg / km
17001249	2x6 + 2x2,5 + 1x4x0,5	12,7	182,4	280
17001528	2x6 + 2x2,5 + 1x4x0,5	15,3	182,4	349
17001250	2x10 + 2x2,5 + 1x4x0,5	15,3	259,2	412
17001251	2x16 + 2x2,5 + 1x4x0,5	16,8	374,4	524

Dimensions and specifications may be changed without prior notice.