Solutions for the agricultural industry

HELUKABEL® ISOBUS PUR
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Hybrid cable for data transmission between tractor and accessory equipment

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**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:** $U_0/U$ 300/500 V
- **Test voltage:** 2000 V min. 5 Min.
- **Conductor resistance:** acc. to DIN 50395
  - 0,5 mm²: ≤ 39,0 Ω/km
  - 2,5 mm²: ≤ 3,98 Ω/km
  - 6 mm²: ≤ 3,3 Ω/km
  - 10 mm²: ≤ 1,91 Ω/km
  - 16 mm²: ≤ 1,21 Ω/km
- **Minimum bending radius:**
  - Flexing: 12x cable Ø
  - Fixed installation: 6x cable Ø

**Structure**

- **Conductor:** bare copper conductor, finely stranded acc. to DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
- **Strand element:**
  - 4x0,5 mm²: 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 mm²: core insulation: PVC
    - Core colours: red, black
  - 2x6/10/16 mm²: core insulation: PVC
    - Core colours: red, black
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. Customised construction solutions are available on request.

Item no: Core number x Nominal cross-section mm² Outer-Ø approx. mm Cu no. kg/km: Weight kg/km:
17001249 2x6 + 2x2,5 + 1x4x0,5 12,7 182,4 280
17001528 2x6 + 2x2,5 + 1x4x0,5 15,3 182,4 350
17001250 2x10 + 2x2,5 + 1x4x0,5 15,3 259,2 410
17001251 2x16 + 2x2,5 + 1x4x0,5 16,8 374,4 530

Properties
- resistant against: UV-rays, weather conditions, microbes, ammonia, MUD acc. to IEC 61892-Annex D
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- abrasion-resistant, wear-resistant
- flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- The materials used in production are free of silicone, cadmium and substance inhibiting paint adhesion.

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. Customised construction solutions are available on request.

Product complies with the Low-Voltage Directive 2014/35/EU.
WHAT SETS US APART

SOLID

• Family-owned company since 1978

GLOBAL

• 55 locations in 36 countries
• Timely delivery to over 160 countries

LOGISTICS

• 33,000 items in stock
• 24-hour delivery service
• State-of-the-art logistics

“HIDDEN CHAMPION”

• 600 million euro turnover
• 1,600 employees

PRODUCTION

• 6 production and assembly locations worldwide

QUALITY-MINDED AND ECO-FRIENDLY

• ISO 9001, 14001 & 50001
• Over 1250 kW total capacity from the firm’s own solar plant

PRODUCTS

• Cables, wires, and accessories from a single source

CONTACTS

Want to know more about HELUKABEL® ISOBUS PUR or other special cables? Your contact at HELUKABEL:

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Order catalogues online at:
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NOTES SUBJECT TO TECHNICAL CHANGES AND ERRORS.