Solutions for the agricultural industry

HELUKABEL® ISOBUS PUR
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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: U0/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 ≤ 7,98 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
- Stranding 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.

- Stranding: cores with optimal lay-lengths, with filler elements
- Wrapping: with fibre tape / synthetic fleece
- Outer sheath: TPU
- Sheath colour: black (similar RAL9005)

Properties
- resistant against: UV-rays, weather conditions, microbes
- 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.

<table>
<thead>
<tr>
<th>HELUKABEL® ISOBUS PUR</th>
<th>Core number x Nominal cross-section mm²</th>
<th>Outer-Ø approx. mm</th>
<th>Cu no. kg/km:</th>
<th>Weight kg/km:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no:</td>
<td>Core number x Nominal cross-section mm²</td>
<td>Outer-Ø approx. mm</td>
<td>Cu no. kg/km:</td>
<td>Weight kg/km:</td>
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<tr>
<td>17001249</td>
<td>2x6 + 2x2,5 + 1x4x0,5</td>
<td>12,7</td>
<td>182,4</td>
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<td>17001250</td>
<td>2x10 + 2x2,5 + 1x4x0,5</td>
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<td>259,2</td>
<td>402</td>
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<tr>
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<td>2x16 + 2x2,5 + 1x4x0,5</td>
<td>16,8</td>
<td>374,4</td>
<td>524</td>
</tr>
</tbody>
</table>
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”
• 592 million euro turnover
• 1,600 employees

QUALITY-MINDED AND ECO-FRIENDLY
• ISO 9001, 14001 & 50001
• Energy supplied by the company’s own solar and biogas plant

PRODUCTION
• 6 production and assembly locations worldwide

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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