INDUSTRIAL GIGABIT ETHERNET CABLES CAT 6A

**CATLine CAT 6A HT** Ethernet cable – high temperature resistant

Industrial Ethernet is a quickly developing network technology. Ethernet with the worldwide accepted TCP/IP (Transmission Control Protocol/Internet Protocol) will be the future connection to the well established field bus or sensor / actuator level. Depending on the application, we are able to offer today CAT 5, CAT 6 and CAT 7 cable solutions for flexible and continuous flex use, for chemical and thermal stress as well as special cable constructions for reeling purpose and robot operation.

![Image](https://example.com/image)

**Construction:**
- **Conductor:** bare copper strands, fine wires
- **Insulation:** FEP
- **Color code:** white/blue, white/orange, white/green, white/brown
- **Stranding:** twisted to pairs
- **Wrapping:** alu foil
- **Wrapping:** non-woven tape
- **Screen:** tinned copper braiding
- **Jacket material:** FEP
- **Jacket color:** green

**Outstanding features:**
- high temperature resistant
- low temperature resistant
- flame retardant and self-extinguishing
- oil and chemical resistant
- UL recognized

**Technical data:**
- **Voltage UL:** 600 V
- **Peak operating voltage:** max. 90 V
- **Testing voltage:**
  - conductor/conductor: 1500 V
  - conductor/screen: 1200 V
- **Min. bending radius**
  - fixed installation: 5 x Ø.D.
  - free movement: 10 x Ø.D.
- **Radiation resistance:** 1 x 10⁷ cJ/kg
- **Temperature range**
  - UL: up to +150°C
  - static: -90/+180°C
  - flexing: -55/+180°C
- **Characteristic impedance:** 100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency acc. to EN 50288-10-2 (CAT 6A)
- **Burning Characteristics:** flame retardant and self-extinguishing acc. to IEC 60332-1 + EN 60332-1-2 UL VW1
- **Oil resistance:** very good
- **Chemical resistance:** very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
- **Absence of harmful substances:** acc. to RoHS directive of the European Union see page O/30

**Marking for CATLine CAT 6A HT:**
SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.6A HT 4x2x26AWG 16314631 UL AWM Style 21618 150°C 600V CE

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**Other dimensions and colors are possible on request.**

<table>
<thead>
<tr>
<th>item no.</th>
<th>type</th>
<th>dimension</th>
<th>nominal outer-Ø</th>
<th>cable weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>16314631</td>
<td>CATLine CAT 6A HT 26 (7/34)/4pr</td>
<td>0.224 in</td>
<td>5.7 mm</td>
<td>35 lbs/mft</td>
</tr>
</tbody>
</table>

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E-mail: info@sabcable.com  Web site: www.sabcable.com