

# Industrial Ethernet Cables CAT 6A

## CATLine CAT 6A HT

Gigabit Ethernet cable – high temperature resistant



Marking for CATLine CAT 6A HT 16314631:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.6A HT 4x2x26AWG 1631-4631 AWM Style 21618 150°C 600V CE

### Construction:

<b>Conductor:</b>	bare copper strands, fine wires
<b>Insulation:</b>	FEP
<b>Color code:</b>	white/blue, white/orange, white/green, white/brown
<b>Stranding:</b>	twisted to pairs
<b>Wrapping:</b>	PETP foil
<b>Shielding:</b>	alu. foil + tinned copper braiding
<b>Jacket material:</b>	FEP
<b>Jacket color:</b>	green (similar RAL 6018)

### Outstanding features:



- high temperature resistant
- low temperature resistant
- flame retardant and self-extinguishing
- oil and chemical resistant
- UL recognized

### Technical data:

<b>Peak operating voltage:</b>	max. 90 V
<b>Voltage UL:</b>	600 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V conductor/shielding: 2000 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
<b>Temperature range:</b>	<b>UL:</b> up to +150°C <i>static:</i> -90/+180°C <i>flexible:</i> -55/+180°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1
<b>Oil resistance:</b>	very good
<b>Chemical resistance:</b>	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
<b>Character impedance:</b>	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 (CAT 6A)
<b>Approvals:</b>	UL AWM Style 21618, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	type	dimensions AWG	max. cond.-ø mm	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 16314631	CATLine CAT 6A HT	26 (≈ 7/34)/4pr	1.05	0.224	5.7	35

Other dimensions and colors are available on request

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Also possible as a cable assembly with M12 or RJ 45 plug  CABLE ASSEMBLY AS POSSIBLE



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