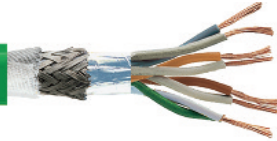


INDUSTRIAL GIGABIT ETHERNET CABLES CAT 6A



CATLine CAT 6A HT Ethernet cable – high temperature resistant

16314631 AWM Style 21618 150°C 600V CE



Marking for CATLine CAT 6A HT:

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

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.

item no.	type	dimension AWG	nominal outer- ϕ inch	outer- ϕ mm	cable weight \approx lbs/mft
▶ 16314631	CATLine CAT 6A HT	26 (\approx 7/34)/4pr	0.224	5.7	35

Other dimensions and colors are possible on request.

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 <i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
Radiation resistance:	1×10^7 cJ/kg
Temperature range <i>static:</i>	UL: up to +150°C -90/+180°C
<i>flexing:</i>	-55/+180°C
Characteristic impedance:	100 Ω \pm 10 Ω , 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