

Industrial Ethernet cables



CATLine CAT 6A HT

high temperature resistant FEP insulated CAT 6A Gigabit Ethernet cable with UL recognition
high temperature resistant PFA insulated CAT 6A Gigabit Ethernet cable



marking example:
SAB BRÜCKSKES · D-VIERSEN · CATLine Cat.6A HT 4x26AWG 1631-4631 AWM Style 21618 150°C 600V CE

Construction:	
Conductor:	FEP: bare copper strands, fine wires PFA: silver plated copper, fine wires
Insulation:	FEP or PFA
Colour code:	white/blue, white/orange, white/green, white/brown
Stranding:	twisted to pairs
Wrapping:	PTFE-foil
Screen:	FEP: alu foil and tinned copper braiding PFA: alu foil and silver plated copper braiding
Sheath material:	FEP or PFA
Sheath colour:	green (similar RAL 6018)

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

Technical data:	
Peak operating voltage:	max. 90 V
Voltage UL:	FEP: 600 V
Testing voltage:	FEP: core/core 2000 V core/screen 2000 V PFA: core/core 750 V core/screen 750 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Temperature range	FEP: UL: up to +150 °C -90/+180 °C flexible application: -55/+180 °C PFA: -90/+250 °C -55/+250 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, FEP: UL VW1
Oil resistance:	very good
Chemical resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
Characteristic impedance:	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 (CAT 6A)
UL Style:	FEP: 21618
Application:	suitable for EtherCAT- and EtherNET/IP-applications
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	type	material	dimension	max. core-Ø mm	outer-Ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
16314631	CATLine CAT 6A HT	FEP	4 x 2 x 26 AWG	1,05	5,8	29,7	54
16324631	CATLine CAT 6A HT	PFA	4 x 2 x 26 AWG	1,05	5,5	27,3	49

Other dimensions and colours are possible on request.

