

Industrial Ethernet Cables CAT 6A

CATLine CAT 6A HT

Gigabit Ethernet cable – high temperature resistant



16314631- FEP Version

26AWG 16314631 AWM Style 21618 150°C 600V CE

Marking for CATLine CAT 6A HT 16314631:

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



16324631- PFA Version

CATLine CAT 6A HT 4x2x26AWG 16324631 CE

Marking for CATLine CAT 6A HT 16324631:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.6A HT 4x2x26AWG 16324631 CE



Construction:

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

Outstanding features:

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

Technical data:

Peak operating voltage:	max. 90 V		
Voltage UL:	600 V		
Testing voltage:	conductor/conductor:	FEP: 2000 V	PFA: 750 V
	conductor/shielding:	2000 V	750 V
Min. bending radius:			
fixed installation:	5 x O.D.		
free movement:	10 x O.D.		
Temperature range:			
static:	FEP: -90/+180°C	PFA: -90/+250°C	
flexible:	-55/+180°C	-55/+250°C	
	UL: up to +150°C		
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1		
Oil resistance:	very good		
Chemical resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds		
Character impedance:	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 (CAT 6A)		
Approvals:	FEP: UR AWM Style 21618, CE, EAC, RoHS PFA: CE, EAC, RoHS		
Application:	suitable for EtherCAT and EtherNET/IP applications		
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30		

item no.	type	dimensions AWG	max. cond.-ø mm	outer-ø inch ±5%	mm ±5%	cable weight ≈lbs/mft
▶ 16314631	FEP	26 (≈ 7/34)/4pr	1.05	0.228	5.8	36
▶ 16324631	PFA	26 (≈ 7/34)/4pr	1.05	0.217	5.5	33

Other dimensions and colors are available on request

NEW

PFA type
up to +250°C

Also possible as a
cable assembly with
M12 or RJ 45 plug



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