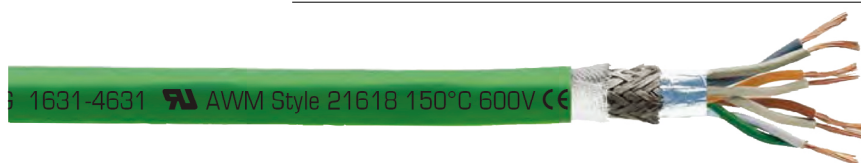


# CAT LINE CAT 6A HT

기가비트 이더넷 케이블-고온 저항



Marking for CATLine CAT 6A HT:

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

## Construction:

Conductor:	<b>FEP:</b> bare copper strands, fine wires <b>PFA:</b> silver plated copper, fine wires
Insulation:	<b>FEP or PFA</b>
Colour code:	white/blue, white/orange, white/green, white/brown
Stranding:	twisted to pairs
Wrapping:	PTFE foil
Screen:	<b>FEP:</b> alu foil and tinned copper braiding <b>PFA:</b> alu foil and silver plated copper braiding
Sheath material:	<b>FEP or PFA</b>
Sheath colour:	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:

Peak operating voltage:	max. 90 V
Voltage UL:	<b>only FEP:</b> 600 V
Testing voltage:	<b>FEP:</b> core/core 2000 V      PFA: 750 V core/screen 2000 V      750 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Temperature range	<b>UL: up to +150 °C</b>
fixed laying:	<b>FEP:</b> -90/+180 °C <b>PFA:</b> -90/+250 °C
flexible application:	-55/+180 °C      -55/+250 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW1
Oil resistance:	very good
Chemical resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
Characteristic impedance:	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 (CAT 6A)
UL Style:	<b>only FEP:</b> 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	dimension	max. core-ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
16314631	CATLine CAT 6A HT	4 x 2 x 26 AWG	1,05	5,8	29,7	54
16324631	CATLine CAT 6A HT	4 x 2 x 26 AWG	1,05	5,5	27,3	49

Other dimensions and colours are possible on request.

