

Industrial Ethernet Cables

SABorganic CATLine CAT 6

Eco-friendly CAT 6 Industrial Ethernet cable suitable for cable track

reduced
carbon footprint

SAB
CATLine

SAB
organic



SABorganic Cat.6 4x2x26AWG 16990043 CE



Marking for SABorganic CATLine CAT 6 16990043:

SAB BRÖCKSKES · D-VIERSEN · SABorganic CATLine CAT 6 4x2x26AWG 16990043 CE

Application: The Industrial Ethernet cable, SABorganic CATLine CAT 6, is suitable for cable tracks and equipped with an outer jacket made of bio-based PUR material that is mainly obtained of sustainable resources. This reduces the carbon footprint by 25% compared to conventional types. SABorganic CATLine CAT 6 is particularly suitable for use in cable tracks and moveable machine parts. The halogen-free and flame-retardant characteristics of the new jacket material reduce potential fire hazards. SABorganic CATLine CAT 6 is also resistant against mineral oil based lubricants and many chemicals.

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	special polymer
Color code:	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
Stranding:	conductors twisted to pairs, pairs together
Wrapping:	non-woven tape
Shielding:	alu. foil and inned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR
Jacket color:	green (similar RAL 6018)

Outstanding features:

- reduced carbon footprint
- low capacity construction
- sustainable plastic materials
- halogen-free
- flame retardant and self-extinguishing
- very good oil resistance
- good against aggressive chemicals

Technical data:

Peak operating voltage:	max. 90 V
Testing voltage:	conductor/conductor: 750 V conductor/shielding: 750 V
Torsion angle:	± 60°/1 m
Min. bending radius:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D. <i>continuous flex:</i> 15 x O.D.
Temperature range:	<i>static:</i> -40/+70°C <i>flexing:</i> -40/+70°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Characteristic impedance (100 MHz):	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-5-2 / CAT 6
Continuous flexibility:	very good
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.	dimensions AWG	max. cond.-ø mm	nominal outer-ø		cable weight ≈lbs/mft
			inch ± 5%	mm ± 5%	
▶ 16990043	26AWG/4pr	1.05	0.272	6.9	36

Other dimensions and colors are available on request



**+90°C
on request**