

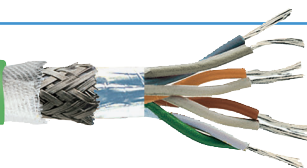
# Industrial Ethernet Cables



**CATLine CAT 6 S / CAT 6A S** Gigabit Ethernet cable, suitable for cable tracks

**CATLine CAT 6 RT / CAT 6A RT** Gigabit Ethernet cable, suitable for cable tracks, suitable for robots

49 80°C 300V CSA AWM I/II A/B 80°C 300V FT2 CE



Marking for CATLine CAT 6 S 16774630:

SAB BRÜCKSKES · D-VIERSEN · **CATLine** Cat.6 S 4x2x26AWG 1677-4630 AWM Style 20549 80°C 300V CSA AWM I/II A/B 80°C 300V FT2 CE



<b>Construction:</b>	CATLine CAT 6 S <i>suitable for cable tracks</i>	CATLine CAT 6A S <i>suitable for cable tracks</i>	CATLine CAT 6 RT <i>suitable for cable tracks/ suitable for robots</i>	CATLine CAT 6A RT <i>suitable for cable tracks/ suitable for robots</i>
<b>Dimensions:</b>	4 x 2 x 26 AWG			
<b>Conductor:</b>	bare copper strands, fine wires			
<b>Insulation:</b>	special polymer			
<b>Colour code:</b>	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown			
<b>Stranding:</b>	cores twisted to pairs, pairs together			
<b>Wrapping:</b>	non-woven tape			
<b>Screen:</b>	alu foil			
<b>Screen:</b>	tinned copper braiding			
<b>Wrapping:</b>	non-woven tape			
<b>Sheath material:</b>	PUR			
<b>Sheath colour:</b>	green (similar RAL 6018)			

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42

<b>Technical data:</b>	CATLine CAT 6 S <i>suitable for cable tracks</i>	CATLine CAT 6A S <i>suitable for cable tracks</i>	CATLine CAT 6 RT <i>suitable for cable tracks/ suitable for robots</i>	CATLine CAT 6A RT <i>suitable for cable tracks/ suitable for robots</i>
<b>Item numbers:</b>	1677-4630	1677-4631	1687-4630	1687-4631
<b>Peak operating voltage:</b>	max. 90 V			
<b>Voltage UL/CSA:</b>	300 V			
<b>Testing voltage</b> core/core: core/screen:	2000 V 2000 V			
<b>Min. bending radius</b> fixed laying: flexible application: continuously flexible:	5 x d 10 x d 15 x d			
<b>Torsion angle:</b>	---		up to ± 180°/m	
<b>Temperature range VDE</b> fixed laying: flexible application:	UL/CSA: up to +80 °C -40/+70 °C -40/+70 °C			
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1			
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 UL Horizontal Flame Test FT2			
<b>Oil resistance:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2			
<b>Characteristic impedance (100 MHz):</b>	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-5-2 / CAT 6	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 / CAT 6A	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-5-2 / CAT 6	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 / CAT 6A
<b>Flexibility:</b>	very good			
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical Data“			

item no.	type	no. of conductors	cross section AWG	max. core-ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
16774630	CATLine CAT 6 S	8	26	1,05	7,1	32,0	57
16774631	CATLine CAT 6A S	8	26	1,05	7,1	32,0	57
16874630	CATLine CAT 6 RT	8	26	1,05	7,1	32,0	57
16874631	CATLine CAT 6A RT	8	26	1,05	7,1	32,0	57

Other dimensions and colours are possible on request.

**+90°C**  
on request!