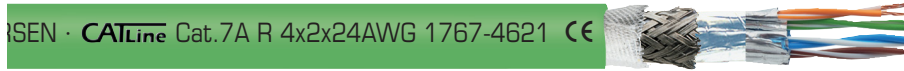
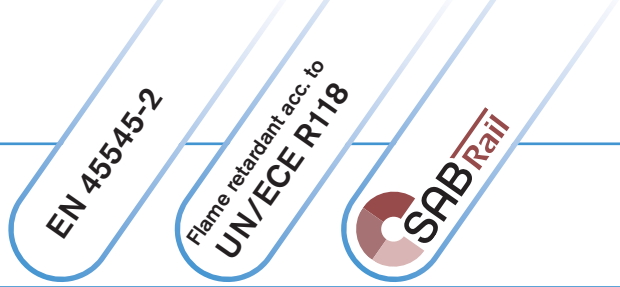


# Industrial Ethernet Cables

**CATLine CAT 5e R**

**CATLine CAT 6A R** halogen-free Industrial Ethernet Cables  
for Railway Technology

**CATLine CAT 7A R**



Marking for CATLine CAT 7A R 17674621:

SAB BRÜCKSKES · D-VIERSEN · CATLine Cat. 7A R 4x2x24AWG 1767-4621 CE

<b>Construction:</b>	CATLine CAT 5e R <i>flexible</i>		CATLine CAT 6A R <i>flexible</i>	CATLine CAT 7A R <i>flexible</i>
<b>Dimension:</b>	2 x 2 x 26 AWG 2 x 2 x 24 AWG 2 x 2 x 22 AWG	4 x 2 x 24 AWG	4 x 2 x 26 AWG	
<b>Conductor:</b>	bare copper strands, fine wires			
<b>Insulation:</b>	PE			
<b>Colour code:</b>	blue, yellow, white, orange	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown		
<b>Stranding:</b>	star quad	cores twisted to pairs, pairs together		twisted to pairs with alu foil, pairs together
<b>Wrapping:</b>	foil			---
<b>Screen:</b>	alu foil und tinned copper braiding		tinned copper braiding	
<b>Sheath material:</b>	special SABIX®			
<b>Sheath colour:</b>	green (similar RAL 6018)			

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<b>Technical data:</b>	CATLine CAT 5e R <i>flexible</i>		CATLine CAT 6A R <i>flexible</i>	CATLine CAT 7A R <i>flexible</i>
<b>Item number:</b>	1567-2625 1567-9002 1567-9004	1567-4421	1667-4621	1767-4621
<b>Peak operating voltage:</b>	max. 90 V			
<b>Testing voltage</b> core/core: core/screen:	750 V 750 V			
<b>Min. bending radius</b> fixed laying: flexible application:	5 x d 12 x d			
<b>Temperature range VDE</b> fixed laying: flexible application:	-40/+70 °C -30/+70 °C			
<b>Halogen-free:</b>	acc. to EN 50306-1 + EN 50264-1. Development of HCl is ≤ 0,5% acc. to IEC 60754-1. pH-value is ≥ 4,3 acc. to IEC 60754-2. Conductivity is ≤ 10,0 µS/mm acc. to IEC 60754-2. Fluoric content ≤ 0,1% acc. to IEC 60684-2			
<b>Fire performance:</b>	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 and EN 50305 + VDE 0260-305 section 9.1.2. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2			
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034			
<b>Toxicity:</b>	acc. to EN 50305 + VDE 0260-305			
<b>Characteristic impedance:</b>	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-2-2 / CAT 5	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 / CAT 6A	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-9-2 / CAT 7A	
<b>Flexibility:</b>	good			
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

item no.	type	dimension	max. core-ø mm	outer-ø mm	copper figure kg/km	cable weight ≈kg/km
15672625	CATLine CAT 5e R	2 x 2 x 26 AWG	1,05	4,0 ± 5%	16,4	25
15679002	CATLine CAT 5e R	2 x 2 x 24 AWG	1,30	5,2 ± 5%	22,7	41
15679004	CATLine CAT 5e R	2 x 2 x 22 AWG	1,60	5,9 ± 5%	29,1	52
15674421	CATLine CAT 5e R	4 x 2 x 24 AWG	1,30	8,0 ± 10%	41,2	70
16674621	CATLine CAT 6A R	4 x 2 x 26 AWG	1,05	6,8 ± 10%	31,9	55
17674621	CATLine CAT 7A R	4 x 2 x 26 AWG	1,60	7,8 ± 10%	38,5	75

Other dimensions and colours are possible on request.

Also possible as harnessed cable with M12 or RJ 45 plug!

**CABLE ASSEMBLY POSSIBLE**