

CAT LINE CAT 7A S / 7A RT

기가비트 이더넷케이블



Marking for CATLine CAT 7A S:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat. 7A S 4x2x26AWG 1777-4631 AWM Style 20549 80°C 300V CSA AWM I/II A/B 80°C 300V FT2 CE

Construction:	CATLine CAT 7A S <i>suitable for cable tracks</i>	CATLine CAT 7A RT <i>suitable for robots</i>
Dimension:	4 x 2 x 26 AWG / 4 x 2 x 24 AWG	
Conductor:	bare copper strands, fine wires	
Insulation:	special polymer	
Colour code:	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown	
Stranding:	cores twisted to pairs, pairs screened with foil, pairs together	
Screen:	aluminized non-woven tape	
Screen:	tinned copper braiding	
Wrapping:	non-woven tape	
Sheath material:	PUR	
Sheath colour:	green (similar RAL 6018)	

Technical data:	CATLine CAT 7A S <i>suitable for cable tracks</i>	CATLine CAT 7A RT <i>suitable for robots</i>
Item number:	1777-4631 / 1777-4431	1787-4631 / 1787-4431
Peak operating voltage:	max. 90 V	
Voltage UL/CSA:	300 V	
Testing voltage:	core/core 1500 V - core/screen 1200 V	
Temperature range VDE fixed laying: flexible application:	UL/CSA: up to + 80°C - 40°C / + 70 °C - 40°C / + 70 °C	
Min. bending radius fixed laying: flexible application: continuously flexible:	5 x d 10 x d 15 x d	5 x d 10 x d
Torsion:	---	up to ± 180°/m
Characteristic impedance (100 MHz):	100Ω ± 5Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-9-2 / CAT 7A	
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 UL Horizontal Flame Test FT2	
Oil resistance:	TMPU acc. to EN 50363-10-2	
Flexibility:	very good	
Absence of harmful substances:	acc. to RoHS directive of the European Union	

item no.	type	no. of cores	cross section AWG	core-ø approx. mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
17774631	CATLine CAT 7A S	8	26	1,50	8,8	38,5	80
17774431	CATLine CAT 7A S	8	24	1,60	9,3	43,7	94
17874631	CATLine CAT 7A RT	8	26	1,50	8,8	38,5	80
17874431	CATLine CAT 7A RT	8	24	1,60	9,3	43,7	94

Other dimensions and colours are possible on request.



**+90°C
on request!**