

## Selection table

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		Cable type																								
		SD 86	S 86	SD 86 C	S 86 C	SD 86 C TP	SD 90	S 90	SD 90 C	S 90 C	SD 90 C TP	SD 200	S 200	SD 200 C	S 200 C	SD 200 C TP	S 180 HT	S 180 C HT	S 900	S 900 P	S 910 P	S 910 CP	SD 950	S 950		
Application	Data cables	•		•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Control cables		•		•			•		•			•		•			•	•	•	•	•	•		•	
	Bare copper strands, extra fine wires	•		•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Screened			•	•	•			•	•	•			•	•	•			•				•			
Temperature range fixed laying*	No coupling of individual signals by twisted-pair cabling low influence on neighbored cable circuits, effective suppression of crosstalk and side-to-side crosstalk effects					•				•					•											
	+ 200 °C																	•	•							
	+ 180 °C																	•	•							
	+ 90 °C																									
	+ 80 °C																									
	+ 75 °C																									
	+ 70 °C																									
	- 25 °C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	- 30 °C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	- 40 °C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
- 50 °C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Voltage	Peak operating voltage max. 350 V	•		•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Peak operating voltage UL 300 V																									
	Nominal voltage U <sub>0</sub> /U: 300/500 V		•		•		•		•		•			•		•									•	
	Nominal voltage U <sub>0</sub> /U: 0,6/1 kV																	•	•	•	•	•	•	•	•	
	Voltage (UL/CSA): 600 V																			•	•	•	•	•	•	
	Voltage (UL/UL): 600 V																									
	Voltage: UL 600 V / CSA 1000 V																						•	•	•	
	Testing voltage: 1500 V	•		•		•	•		•	•	•	•	•		•		•								•	
	Testing voltage: 2000 V																									
	Testing voltage: 3000 V		•		•				•		•														•	
Testing voltage: 4000 V																	•	•								
Characteristics, standards and approvals	Flexible at low temperature											•	•	•	•	•	•	•								
	LABS uncritical**	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Halogen-free acc. to DIN VDE + IEC											•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Flame retardant and self-extinguishing acc. to IEC + EN	•	•	•	•	•												•	•	•	•	•	•	•	•	
	Flame retardant and self-extinguishing acc. to UL/CSA																			•	•	•	•	•	•	
	UL recognition (UL) listed																			•	•	•	•	•	•	
	CSA approval																			•	•	•	•	•	•	
	Oil resistant acc. to internal standard	•	•	•	•	•																				
	Oil resistant acc. to DIN VDE						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Fuel-Oil acc. to CSA																									
Good chemical resistance see page N/11						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Weathering resistance											•	•	•	•	•	•	•	•								
Application	At acceleration values of up to 05 m/s <sup>2</sup>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	#	#	A	A	A	A	A	A	
	up to 20 m/s <sup>2</sup>	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	#	#	B	A	A	A	B	B	
	up to 40 m/s <sup>2</sup>	C	C	C	C	C	B	B	B	B	B	A	A	A	A	A	A	#	#	B	B	B	B	C	C	
	more than 40 m/s <sup>2</sup>	C	C	C	C	C	B	B	B	B	B	A	A	A	A	A	A	#	#	B	B	B	B	C	C	
	At path feet rates of up to 01 m/s	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	#	#	A	A	A	A	A	A
	up to 03 m/s	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	#	#	B	A	A	A	B	B
	up to 10 m/s	C	C	C	C	C	B	B	B	B	B	A	A	A	A	A	A	A	#	#	B	B	B	B	C	C
	more than 10 m/s	C	C	C	C	C	B	B	B	B	B	A	A	A	A	A	A	A	#	#	B	B	B	B	C	C
	For cable tracks with a length of up to 05 m	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	#	#	A	A	A	A	A	A
	up to 10 m	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	#	#	B	A	A	A	B	B
up to 25 m	C	C	C	C	C	B	B	B	B	B	A	A	A	A	A	A	A	#	#	C	B	B	B	C	C	
more than 25 m	C	C	C	C	C	B	B	B	B	B	A	A	A	A	A	A	A	#	#	C	B	B	B	C	C	

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from  
to  
short-time use

\*\*LABS = enamel moisturing interfering substances  
# = not specified

\*The temperature range for flexible application is mentioned on the corresponding catalogue page

# CABLE TRACK CABLES

## Selection table

		Cable type																						
		SD 960	S 960 / blue / red	SD 960 CY	S 960 CY	SD 960 CY TP	SD 960 P	S 960 P / blue / red	SD 960 CP	S 960 CP	SD 960 CP TP	SD 965	S 965	SD 965 CY	S 965 CY	SD 965 CY TP	S 965 MTW	S 965 MTW CY	SD 980 P	S 980 P	SD 980 CP	S 980 CP	SD 980 CP TP	
Application	Data cables	●		●		●	●		●		●	●		●		●	●		●		●		●	
	Control cables		●		●			●		●			●		●		●	●		●		●		●
	Bare copper strands, extra fine wires	●		●		●	●		●		●	●		●		●	●		●		●		●	
	Screened			●		●			●		●			●		●		●		●		●		●
	No coupling of individual signals by twisted-pair cabling low influence on neighbored cable circuits, effective suppression of crosstalk and side-to-side crosstalk effects						●				●						●							●
Temperature range fixed laying*	+ 200 °C																							
	+ 180 °C																							
	+ 90 °C																							
	+ 80 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	+ 75 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	+ 70 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	- 25 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	- 30 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Voltage	Peak operating voltage max. 350 V	●		●		●	●		●		●	●		●		●	●		●		●		●	
	Peak operating voltage UL/CSA 300 V	●		●		●	●		●		●	●		●		●	●		●		●		●	
	Nominal voltage Uo/U: 300/500 V		●		●			●		●			●		●		●	●		●		●		●
	Nominal voltage Uo/U: 0,6/1 kV																							
	Voltage (UL/CSA): 600 V		●		●			●		●			●		●		●	●		●		●		●
	Voltage (UL/UL): 600 V																							
	Voltage: UL 600 V / CSA 1000 V																							
	Testing voltage: 1500 V	●		●		●	●		●		●	●		●		●	●		●		●		●	
	Testing voltage: 2000 V																							
	Testing voltage: 3000 V		●		●			●		●			●		●		●	●		●		●		●
Characteristics, standards and approvals	Testing voltage: 4000 V																							
	Flexible at low temperature																				●	●	●	●
	LABS uncritical**	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Halogen-free acc. to DIN VDE + IEC																				●	●	●	●
	Flame retardant and self-extinguishing acc. to IEC + EN	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Flame retardant and self-extinguishing acc. to UL/CSA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UL recognition (UL) listed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	CSA approval																				●	●	●	●
	Oil resistant acc. to internal standard	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Oil resistant acc. to DIN VDE																				●	●	●	●
	Fuel-Oil acc. to CSA																				●	●	●	●
	Application	Good chemical resistance see page N/11																				●	●	●
Weathering resistance																								
At acceleration values of up to 05 m/s <sup>2</sup>		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
up to 20 m/s <sup>2</sup>		B	B	B	B	B	A	A	A	A	A	B	B	B	B	B	B	B	B	A	A	A	A	A
up to 40 m/s <sup>2</sup>		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A
more than 40 m/s <sup>2</sup>		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A
At path feet rates of up to 01 m/s		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
up to 03 m/s		B	B	B	B	B	A	A	A	A	B	B	B	B	B	B	B	B	B	A	A	A	A	A
up to 10 m/s		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A
more than 10 m/s		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A
Application	For cable tracks with a length of up to 05 m	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	up to 10 m	B	B	B	B	B	A	A	A	A	B	B	B	B	B	B	B	B	A	A	A	A	A	
	up to 25 m	C	C	C	C	C	B	B	B	B	B	C	C	C	C	C	C	C	A	A	A	A	A	
	more than 25 m	C	C	C	C	C	B	B	B	B	B	C	C	C	C	C	C	C	A	A	A	A	A	

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