Selection table

	Cable type	A 1 L twisted A 1 L single	A 16 L	A 9 L A 9-100 L A 9-075 L A 9-050 L A 9-022 L	A 12 L	A 12 D	A 5 L A 5-075 L A 5-050 L A 5-022 L	A 20 L A 20-022 L	A 20 D	A 9-L	A 9-LSY	Hybrid thermocouple cable JX	A 1 LB twisted	A 16 LB	A 15 L A 15-075 L A 15-050 L A 15-022 L	A 3 Ln	A 4 Ln	A 11 Lr A 11-4 Lr	A 11 Dr	A 13 L
Application	Compensating and extension cables for thermocouples	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Extension cables for thermocouples FE-CuNi and NiCr-Ni																			
	Connection cables for resistance thermometers																			
	Fibre-glass braiding																	●	●	●
	SABtex																			
	Screened						●					●								
	Steel wire armouring										●						●	●	●	
Temperature range of isolation fixed laying*	+400 °C																			
	+300 °C																			
	+250 °C												○	○	○	○	○	○	○	○
	+200 °C																			
	+180 °C																			
	+ 70 °C																			
	– 25 °C																			
	– 40 °C																			
	– 50 °C																			
	– 90 °C																			
Standards and approvals	Halogen-free acc. to IEC 60754-1 + VDE 0482-754-1												●	●	●	●	●	●	●	●
	Fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●
	Fire performance: no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D																			
	Fire performance: nach DIN EN 60332-1-2 + IEC 60332-1-2																			
	Corrosiveness of conflagration gases: in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases												●	●	●	●	●	●	●	●
	Smoke density: low (low smoke emission)																			
Characteristics	Shape: round	●		●			●	●	●	●	●	●	●		●			●	●	
	Shape: oval		●		●	●								●		●	●			●
	Conductor construction: strand	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●		●
	Conductor construction: wire					●			●										●	
	Min. bending radius	7,5	7,5	7,5	7,5	12	7,5	7,5	12	7,5	12	12	7,5	7,5	7,5	10	12	10	12	10
	Insulation resistance: > 1MΩ x km	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●
	Very good chemical resistance																			

from / to

○ short-time use

● max.

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

Selection table

	Cable type	A 6 L A 6-022 L	A 6 D	A 15 LC A 15-075 LC A 15-050 LC A 15-022 LC	A 15-02	A 15-G 022	A 3 L	A 4 L	A 18 L A 18-022 L	A 19 L A 19-022 L	Th LGS	Th LRS	Th LTS	Th LTV	RTD sensor cable 180 flex 180 C flex 180 highflex 180 C highflex	180 TW 180 C TWC	250 TW 250 C TW	TVG
Application	Compensating and extension cables for thermocouples	●	●	●	●	●	●	●	●	●								
	Extension cables for thermocouples FE-CuNi and NiCr-Ni										●	●	●	●				
	Connection cables for resistance thermometers														●	●	●	●
	Fibre-glass braiding					●					●	●	●	●				●
	SABtex						●	●										
	Screened			●						●								
	Steel wire armouring							●			●	●	●	●				●
Temperature range of isolation fixed laying*	+400 °C											●						
	+300 °C						○	○										
	+250 °C	○	○	○	○	○					●		●	●			○	●
	+200 °C																	
	+180 °C																	
	+ 70 °C																	
	– 25 °C																	
	– 40 °C																	
	– 50 °C																	
	– 90 °C																	
Standards and approvals	Halogen-free acc. to IEC 60754-1 + VDE 0482-754-1	●	●	●	●	●	●	●			●	●						
	Fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	●	●	●	●	●	●	●	●	●	●	●	●	●				●
	Fire performance: no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D						●	●	●	●	●	●	●	●				●
	Fire performance: nach DIN EN 60332-1-2 + IEC 60332-1-2														●	●	●	
	Corrosiveness of conflagration gases: in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	●	●	●	●	●	●	●										
	Smoke density: low (low smoke emission)						●	●										
Characteristics	Shape: round	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●
	Shape: oval						●	●										
	Conductor construction: strand	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Conductor construction: wire		●															
	Min. bending radius	7,5	12	12	7,5	7,5	10	12	12	12	12	12	12	12	10	10	10	12
	Insulation resistance: > 1MΩ x km	●	●	●					●	●								
	Very good chemical resistance								●	●								

from / to — short-time use / max.

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