Selection table

	Cable type	SABIX® A 146 FRNC	SABIX® A 156 FRNC	SABIX® A 166 FRNC	SABIX® A 147 FRNC	SABIX® A 157 FRNC	SABIX® A 100 HT	SABIX® A 101 HT	SABIX® A 200 FRNC	SABIX® A 205 FRNC	SABIX® A 224 FRNC C1	SABIX® A 226 C FRNC C1	SABIX® A 238 FRNC	SABIX® A 260 PUR	SABIX® A 130 HT
Basic construction	Single conductors	●	●	●	●	●	●	●							
	screened											●	●		
	coloured cores									●					●
	numbered cores								●		●	●	●	●	●
	twisted pairs														
	Inner sheath														
Temperature range fixed laying*	+220 °C														
	+ 90 °C														
	+ 85 °C														
	– 30 °C														
	– 40 °C														
	– 50 °C														
Voltage	Peak operating voltage max. 350 V														
	Peak operating voltage max. 500 V														
	Nominal voltage Uo/U 300/500 V	●			●		●	●	●	●			●	●	●
	Nominal voltage Uo/U 450/750 V		●			●					●	●			
	Nominal voltage Uo/U 0,6/1 kV			●											
	Voltage UL resp. CSA 600 V				●										
	Voltage UL resp. CSA 1000 V					●									
	Testing voltage 1500 V														
	Testing voltage 2000 V	●			●		●	●							●
	Testing voltage 2500 V		●			●						●			
	Testing voltage 3000 V			●					●	●	●		●	●	
	Testing voltage 4000 V														
Standards	Halogen-free acc. to IEC 60754-1 + VDE 0482-754-1	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	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: 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	●	●												
	Fire performance: Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	●	●	●	●	●	●	●	●	●	●	●	●		●
	Fire performance acc. to NF C32-070 C1										●	●			
	Fire performance acc. to CSA FT1														
	Corrosiveness of conflagration gases: In compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	●	●	●	●	●	●	●	●	●	●	●	●		●
	Smoke density acc. to IEC 61034 + EN 61034	●	●	●	●	●			●	●	●	●	●		
	UL resp. CSA				●	●									
Special features	Very good oil resistance acc. to EN 50363-10-2 + DIN VDE 0207-363-10-2													●	
	good chemical resistance													●	

from
to

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

Selection table

	Cable type	SABIX® CC 625 FRNC M	SABIX® CC 625 S FRNC M	SABIX® CC 625 SH FRNC M	SABIX® A 810 FRNC	SABIX® A 812 C FRNC	SABIX® D 305 FRNC	SABIX® D 315 FRNC	SABIX® D 320 FRNC C1	SABIX® D 345 FRNC TP
Basic construction	Single conductors									
	screened		●	●		●		●	●	●
	coloured cores						●	●	●	●
	numbered cores	●	●	●	●	●				
	twisted pairs								●	●
	Inner sheath			●		●				
Temperature range fixed laying*	+220 °C									
	+ 90 °C									
	+ 85 °C									
	– 30 °C									
	– 40 °C									
	– 50 °C									
Voltage	Peak operating voltage max. 350 V						●	●	●	●
	Peak operating voltage max. 500 V						●	●	●	●
	Nominal voltage Uo/U 300/500 V		●	●	●					
	Nominal voltage Uo/U 450/750 V									
	Nominal voltage Uo/U 0,6/1 kV				●	●				
	Voltage UL resp. CSA 600 V	●	●	●						
	Voltage UL resp. CSA 1000 V									
	Testing voltage 1500 V						●	●	●	●
	Testing voltage 2000 V									
	Testing voltage 2500 V									
	Testing voltage 3000 V	●	●	●						
	Testing voltage 4000 V				●	●				
Standards	Halogen-free acc. to IEC 60754-1 + VDE 0482-754-1	●	●	●	●	●	●	●	●	●
	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: 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									
	Fire performance: Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	●	●	●	●	●	●	●	●	●
	Fire performance acc. to NF C32-070 C1								●	
	Fire performance acc. to CSA FT1	●	●	●						
	Corrosiveness of conflagration gases: In compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	●	●	●	●	●	●	●	●	●
	Smoke density acc. to IEC 61034 + EN 61034	●	●	●	●	●	●	●	●	●
	UL resp. CSA		●	●	●					
Special features	Very good oil resistance acc. to EN 50363-10-2 + DIN VDE 0207-363-10-2									
	good chemical resistance									

from
to

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

Selection table

Cables for Railway Technology acc. to EN 45545-2

		Cable type	SABIX® R 600 FRNC	SABIX® R 638 FRNC	SABIX® R 605 FRNC	SABIX® R 615 FRNC	SABIX® R 645 FRNC TP	SABIX® R flex	SAB RailLine 560	SABIX® A 280 FRNC X	SABIX® A 285 FRNC X	SABIX® A 280 FRNC X (FR)
Applications	Single conductor									●		
	Multi-core cable		●	●	●	●	●	●	●	●	●	●
	screened			●		●	●	●	●		●	
	Wiring cable									●		
	Data cable				●	●	●					
	Control cable		●	●				●	●	●	●	●
	cross linked type								●	●	●	●
Standards	geprüft nach EN 45545-2		●	●	●	●	●	●	●	●	●	●
Halogen-free	acc. to EN 50306-1 + EN 50264-1 are fulfilled. 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		●	●	●	●	●	●	●	●	●	●
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 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		●	●	●	●	●	●	●	●	●	●
	Flame retardant acc. to UL 1685 section 12, FT4/IEEE 1202 (NFPA 130)				●	●	●					
	Burning test acc. to ASTM E 162-09					●	●					
	Flame retardant ISO 6722 (UN/ECE R118)		●	●	●	●	●	●	●			
	Insulation integrity in case of fire acc. to EN 50200 PH 30, VDE 0482-200, IEC 60331-21 FE 180 + VDE 0482-331-21											●
	Toxicity acc. to EN 50305 + VDE 0260-305		●	●	●	●	●	●	●	●	●	●
	Smoke density acc. to IEC 61034 + VDE 0482-1034		●	●	●	●	●	●	●	●	●	●
	Smoke density acc. to ASTM E 662-09					●	●					
	Oil and fuel resistance acc. to EN 50264-1 + VDE 0260-264-1							●	●			
	Ozone, UV and weather resistance							●	●			
Temperature range fixed laying*	+125 °C	from										
	+ 90 °C											
	– 40 °C											
	– 50 °C	to										
Voltage	Peak operating voltage: < 0,25 mm² = max. 350 V ≥ 0,25 mm² = max. 500 V				●	●	●					
	Nominal voltage Uo/U 300/500 V		●	●				●	●	●	●	●
	Nominal voltage Uo/U 0.6/1 kV								●			
	Testing voltage 1500 V				●	●	●					
	Testing voltage 2000 V							●	●	●	●	●
	Testing voltage 3000 V		●	●								
	Testing voltage 4000 V								●			

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

Selection index

SABIX® BL-Line - Cables for Shipbuilding

	Cable type	SABIX® BL 405 FRNC	SABIX® BL 415 C FRNC	SABIX® BL 443 C FRNC TT	SABIX® BL 445 C FRNC TP	SABIX® BL 446 C FRNC FTP	SABIX® BL 400 FRNC	SABIX® BL 438 C FRNC	SABIX® BL 402 FRNC	SABIX® BL 408 FRNC	SABIX® BL 409 C FRNC	SABIX® BL 410 FRNC	SABIX® BL 412 C FRNC
Construction	Data cable	●	●	●	●	●							
	Control cable						●	●					
	Power cable								●	●	●	●	●
	screened		●	●	●	●		●			●		●
	twisted pairs				●	●							
	twisted triple			●									
Temperature range fixed laying*	+ 90°C	▮	▮	▮	▮	▮	▮	▮	▮	▮	▮	▮	▮
	– 40°C												
Voltage range	Peak operating voltage max. 300 V			●		●							
	Peak operating voltage max. 350 V	●	●		●								
	Nominal voltage Uo/U 300/500 V						●	●					
	Nominal voltage Uo/U 0,6/1 kV								●	●	●	●	●
	Testing voltage 1500 V	●	●	●	●	●							
	Testing voltage 2000 V						●	●					
	Testing voltage 4000 kV								●	●	●	●	●
Standards	Halogen-free acc. to IEC 60754-1 + VDE 0482-754-1	●	●	●	●	●	●	●	●	●	●	●	●
	Fire performance: No flame propagation acc. to IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A	●	●	●	●	●	●	●	●	●	●	●	●
	Fire performance: Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	●	●	●	●	●	●	●	●	●	●	●	●
	Corrosiveness of conflagration gases: In compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	●	●	●	●	●	●	●	●	●	●	●	●
	Smoke density acc. to IEC 61034 + VDE 0482-1034	●	●	●	●	●	●	●	●	●	●	●	●
Type approvals	DNV	●	●	●	●	●	●	●	●	●	●	●	●
Characte-ristics	flexible conductor stranding	●	●	●	●	●	●	●				●	●
	extended cross section range	●	●		●								

▮ from
▮ to

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

SABIX® Ultra

Selection index

continuously flexible with highest fire protection

	Cable type	SABIX® SD 705 FRNC C1	SABIX® SD 715 C FRNC C1	SABIX® SD 745 C FRNC C1 TP	SABIX® S 710 FRNC C1	SABIX® S 712 C FRNC C1
Construction	Data cable	●	●	●		
	Control cable				●	●
	screened		●	●		●
	twisted pairs				●	
Temperature range fixed laying*	+ 90 °C	▮	▮	▮	▮	▮
	– 40 °C	▮	▮	▮	▮	▮
Voltage range	Peak operating voltage < 0,25 mm² = max. 350 V ≥ 0,25 mm² = max. 500 V	●	●	●		
	Nominal voltage 0,6/1 kV				●	●
	Testing voltage 1500 V	●	●	●		
	Testing voltage 4000 V				●	●
Standards	Halogen-free acc. to IEC 60754-1 + VDE 0482-754-1	●	●	●	●	●
	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	●	●	●	●	●
	Flame retardant and self-extinguishing acc. to IEC 60332-1-2, VDE 0482-332-1-2 + NF C 32-070 C1	●	●	●	●	●
	Corrosiveness of conflagration gases: In compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	●	●	●	●	●
	Smoke density acc. to IEC 61034 + VDE 0482-1034	●	●	●	●	●
	Toxicity acc. to EN 50305	●	●	●	●	●
	Oil and fuel resistance acc. to EN 50264-1 + VDE 0260-264-1	●	●	●	●	●

▮ from
▮ to

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