

Application

■ Technical problems often arise that can not be solved properly with standard cables. At SAB North America, we believe the customer deserves the best possible solution and we are proud to be your source for special cable requirements. If we must modify one of our existing standard products or completely design a new construction, we will work together with you to meet all of your cable requirements. Whether you choose one of our standard cables from stock or require a completely new design you will find that our variety of cable styles and our flexibility as a specialty cable manufacturer are among our company's strengths.

We produce nearly every type of specialty cable, with minimums as low as 1500 feet - and in some cases even lower - to your exact construction specifications. Please provide us with the following details:

- conductor material
- number of conductors
- cross sections
- colors
- outer diameter
- flexibility
- low and high temperature resistance
- materials
- types of screening
- combined cables
- technical specifications
- optical waveguide
- number of fibers
- POF (polymeric optical fibres)

■ Of course we can also meet other requirements not listed above. Your special cable requests are always a priority and our highly motivated team will meet and exceed all of your special needs. By applying our comprehensive know-how, you will surely be able to improve the efficiency of your machines.

FLEXIBLE SPECIALITY CABLES

Selection index

D
4

		Cable type								
		CRX 600	CRX 600 C	SAB ^{spliar}	DR 717 P Highflex	DR 721 P	DR 720 P Highflex	SAB ^{clean} RT 123 D TP (B)	SAB ^{clean} RT 793 D	SAB ^{clean} RT 795 D
Application	Single conductors			x						
	Colored conductors				x	x	x			
	Numbered conductors	x	x		x	x	x	x	x	x
	Copper screen		x					x	x	x
	Inner jacket				x	x	x			
Temperature range static*	+ 125 °C									
	+ 105 °C									
	+ 90 °C									
	+ 80 °C									
	+ 70 °C									
	- 30 °C									
	- 40 °C									
	- 50 °C									
Voltage	Voltage UL 600 V / cUL 1000 V	x	x							
	Voltage UL/CSA 300 V							x		
	Voltage UL/CSA 600 V								x	x
	Peak operating voltage: UL/CSA 300 V							x		
	Peak operating voltage: UL/CSA 600 V								x	x
	Peak operating voltage: DIN VDE max. 350 V							x		
	Peak operating voltage: DIN VDE 300/500 V								x	x
	Nominal voltage Uo/U: 300/500 V	x	x		x					
	Nominal voltage Uo/U: 0.6/1 kV			x		x	x			
	Testing voltage: 1500 V							x		
	Testing voltage: 2000 V	x	x		x					
	Testing voltage: 3000 V								x	x
Testing voltage: 3500 V			x							
Testing voltage: 4000 V					x	x				
Characteristics standards and approvals	Halogen-free acc. to DIN VDE and IEC	x	x	x	x		x			
	No flame propagation acc. to IEC / EN			x						
	Flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2	x	x	x	x	x	x			
	Flame retardant and self-extinguishing acc. to UL VW-1, cUL FT1 FT2	x	x							
	UL approval	x	x					x	x	x
	cUL approval	x	x							
CSA approval							x	x	x	
Characteristics	Tensile strength acc. to DIN VDE				x	x	x			
	Oil resistant 60°C	x	x							
	Oil resistant acc. to DIN VDE				x	x	x			
	Good chemical resistance				x	x	x			
	Weather resistance			x		x	x			
	Hydrolysis resistance			x						
	UV resistance			x	x	x	x			
	Ozone resistance			x						

Temperature range:



*The temperature range for flexing is mentioned on the particular catalog page