

Servo Motor Cables

Selection table



SAB Servo		cable type					
		SL 834 C	SL 835 C	SL 851 C - Exploration	SL 893 C	SL 875 C	SL 891 C
appli- cation	transmission and feedback cable	●	●	●	●	●	●
	motor connection cable	●	●	●	●	●	●
temperature range fixed laying*	screen	●	●	●	●	●	●
	+90 °C	●	●	●	●	●	●
	-50 °C	●	●	●	●	●	●
voltage	peak operating voltage max. 350 V						●
	peak operating voltage max. 500 V					●	
	nominal voltage U ₀ /U 0,6/1 kV	●	●	●		●	●
	voltage UL 30 V				●		
	voltage UL 300 V				●		
	voltage UL 1000 V	●	●	●		●	●
	voltage cUL 1000 V		●	●			●
	voltage CSA 300 V					●	
	voltage CSA 1000 V	●				●	
	testing voltage 600 V				●		
	testing voltage 2000 V				●		●
	testing voltage 3000 V					●	
	testing voltage 4000 V	●	●	●		●	●
standards	fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	●	●	●	●	●	●
	fire performance: acc. to cUL FT1, FT2		●	●	●		●
	fire performance: acc. to CSA FT1, FT2	●				●	
	halogen-free acc. to IEC 60754-1 + VDE 0482-754-1	●	●	●	●	●	●
	UL recognized	●	●	●	●	●	●
	cUL recognized		●	●	●		●
	CSA approval	●				●	
	DESINA® colours	●			●	●	●
characteristics	PWIS uncritical**	●	●		●	●	●
	low capacity construction	●	●		●	●	●
	outer sheath surface: low adhesion	●	●		●	●	●
	very good oil resistance acc. to EN 50363-10-2 + VDE 0207-363-10-2	●	●	●	●	●	●
	good resistance against acids, alkalines, solvents, hydraulic liquids etc.	●	●		●	●	●
	very good weather resistance		●	●	●	●	●
	MUD resistance acc. to IEC 60092-360, IEC 61892-4, NEK TS 606			●			
	sunlight resistance acc. to HD 605			●			
	ozone resistance acc. to DIN EN 50396			●			
	saltwater resistance acc. to UL 1309			●			



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

**PWIS = paint-wetting impairment substances

SAB VFD		cable type			
		VFD XLPE TR	VFD Combo XLPE	VFD Symmetrical XLPE TR	VFD XLPE 2KV TR
appli- cation	variable frequency drive cable	●	●	●	●
	UL motor connection cable	●	●	●	●
	screen	●	●	●	●
temperature range	(UL) / c(UL) / CSA-AWM: up to +90 °C	●	●	●	
	(UL): up to +90 °C				●
	fixed laying: +105 °C	●	●	●	
	fixed laying: -25 °C	●	●	●	●
	fixed laying: -40 °C	●	●	●	
voltage	voltage (UL) / c(UL) 600 V	●	●	●	
	voltage CSA-AWM / (UL) WTTC 1000 V	●	●	●	
	voltage (UL) 2000 V				●
	testing voltage 3000 V	●	●	●	
	testing voltage 7500 V				●
standards	fire performance: (UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2	●	●	●	
	fire performance: (UL) FT4 / IEEE 1202				●
	(UL) recognized	●	●	●	
	c(UL)us recognized	●	●	●	
characteristics	CSA approval	●	●	●	
	NFPA 79	●	●	●	●
	WTTC approval	●	●	●	
	UL 90°C wet	●	●	●	
	WTTC: UL subject 2277	●	●		
	TC-ER: UL standard 1277	●	●	●	●
	Class 1 Div 2 per NEC Article 501.4 (B)	●	●	●	●
	RHW-2: UL standard 44				●
	IEEE 1202/FT4				●
	oil resistance I & II	●	●	●	
	sunlight resistance	●	●	●	●
	exposed runs	●	●	●	●
	cold bend test -40 °C	●	●	●	
	direct burial	●	●	●	●
	moisture resistance				●

