Connection Details of Cable Assembly Wired for Channel A 2 Pin MS Inside View of Cable Pin 2 Connector Pin 5 Outside View of Connectors 5 Pin M12 Plug Connector Connector sealed to IP67 only when connected to the accelerometer. 2 Pin MS Overmoulded **Booted Straight Socket** 5 Pin M12 Plug Connector Ø20.6mm 95.0mm

Environment Specification of Cable Assembly

Maximum operating temperature of 150°C with high levels of resistance to chemical attack.

Materials of Cable					
Pos	Description	Dimension	Overall Diameter	Remarks	
Cable description: LiF9YHC11YH 5 x 0.34mm2 with drain		Ponding radius	min.12 x outer-Ø	Moving	
wire qu	vire qualified for drag chains acc. to UL/CSA FT-2 Bending radius		min. 5 x outer-Ø	Fixed installation	
1.	Conductor, bare soft copper wire		0.10mm	acc. to VDE 0295, cl 6	
2.	Screen wire, tinned copper		0.20mm		
3.	Stranding, 5 cores surrounding a woollen inner core			Lengh of lay approx 43mm drain wire	
4.	Screen, tinned copper			Coverage: 84% min	
5.	Outer sheath, Polyurethane PUR UL Flame retardant acc. to VDE 0482-267-2-1 Halogen free, Oil resistant acc., free of silicone, chemicals and oils		5.6 ±0,2mm	Black RAL9005	

Technical Data of Cable					
Technical Data	Values at 20°C	Unit			
Resistance	≤57	Ω / km			
Test voltage	Test voltage 2				
Normal voltage	300	V			
Inductance	0.7	μH/m			
Canacitanas	Core/Core: 80				
Capacitance	Core/Sheild: 120.0				
Tomporature range	-30°C to + 90°C	Moving			
Temperature range	-40°C to + 90°C	Fixed installation			



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