





SPE double ended cordset: M8 male straight 6P-M8 Code to M8 male straight 6P-M8 Code, IP65/67, PUR

Product Description

SPE double ended cordset: M8 male straight 6P-M8 Code to M8 male straight 6P-M8 Code, IP65/67, PUR

Technical Specifications

Face View Side 1



Face View Side 2



Product Description

Product Family:	SPE Cordset	
Brand:	Lumberg Automation	
Connector Type:	Cordset, double ended	
Shielding:	Shielded	
Rated Voltage:	60 V	
Rated Voltage (UL):	30 V AC/DC	
Operating Voltage:	50 V AC / 60 V DC	
Rated Current*:	4 A	
Rated Current (UL)*:	4 A	
Data Transmission:	1 Gbit/s bis 40 m / 10 Mbit/s bis 1000 m	

Technical Data Side 1

Product Sub Family: SPE Cordset M8 (T1 Industrial) Type of Contact / Gender: Male Connector Design: Straight Attachment Type: Screw-Locking Number of Pins: 2 Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 5x10^8 Ohm Mating Cycles: ≤ 100			
Connector Design: Straight Attachment Type: Screw-Locking Number of Pins: 2 Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 5x10^8 Ohm	Product Sub Family:	SPE Cordset M8 (T1 Industrial)	
Attachment Type: Screw-Locking Number of Pins: 2 Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 5x10^8 Ohm	Type of Contact / Gender:	Male	
Number of Pins: 2 Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 5x10^8 Ohm	Connector Design:	Straight	
Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 5x10^8 Ohm	Attachment Type:	Screw-Locking	
Insulation Resistance: > 5x10^8 Ohm	Number of Pins:	2	
	Contact Resistance:	≤ 10 mOhm	
Mating Cycles: ≤ 100	Insulation Resistance:	> 5x10^8 Ohm	
	Mating Cycles:	≤ 100	
Ambient Temperature (Operation)*: - 40 °C - + 90 °C (Cable +80 °C)	Ambient Temperature (Operation)*:	- 40 °C - + 90 °C (Cable +80 °C)	
Operating Temperature (UL): max. + 85 °C	Operating Temperature (UL):	max. + 85 °C	
Protection Degree / IP Rating**: IP65, IP67	Protection Degree / IP Rating**:	IP65, IP67	
Design Standard: IEC 63171-6	Design Standard:	IEC 63171-6	
Pollution Degree: 3 acc. to DIN EN 60664-1 (VDE 0110-1)	Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)	
Clearance / Creepage Distance: DIN EN 60664-1 (2008/01); VDE 0110-1	Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1	
Contact Base Material: CuSn	Contact Base Material:	CuSn	
Contact Plating: Cu/Au	Contact Plating:	Cu/Au	
Contact Bearer Material: PA	Contact Bearer Material:	PA	

Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 V-0
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Fastening Torque (Attachment):	M 8x1: 40 Ncm, hand-tight

Cable Data

Cable Number:	998
Number of Wires:	2
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	blue
Cable Diameter D:	ø 5.50 ± 0.20 mm
Wire Insulation Material:	PE
Insulated Wire Diameter:	ø 1,9 ±0.1 mm
Overall Shield (Cable):	Tinned copper
Foil shield:	Al-myler wrapping foil
Ambient Temperature (Fixed Installation):	- 40 °C - +80 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	FT-2
Cable Characteristics:	Exclusion of dangerous materials

Technical Data Side 2

Product Sub Family, Side 2:	SPE M8 Cordset	
Type of Contact / Gender, Side 2:	Male	
Connector Design, Side 2:	Straight	
, ·	Screw-Locking	
	≤ 10 mOhm	
Insulation Resistance, Side 2:	> 5x10^8 Ohm	
Mating Cycles, Side 2:	≤ 100	
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C (Cable +80 °C)	
Protection Degree / IP Rating, Side 2**:	IP65, IP67	
Design Standard, Side 2:	IEC 63171-6	
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)	
Overvoltage Category, Side 2:	PA	
Contact Plating, Side 2:	Cu/Au	
Contact Bearer Material, Side 2:	TPU	
Contact Bearer Color, Side 2:	Black	
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0	
Molded Body Material, Side 2:	UL 94 V-0	
Molded Body Color, Side 2:	Black	
Attachment Material, Side 2:	CuZn	
Attachment Plating, Side 2:	Nickel-plated	
Fastening Torque (Attachment), Side 2:	M 8x1: 40 Ncm, hand-tight	

Approvals

UL: UL 2238; cULus

Safety & Environmental Compliance

	RoHS Compliant:	Yes	
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Notes

History

Update and Revision:

Revision Number: 0.30 Revision Date: 02-01-2024

Variants

Item #	Item Description	Cable Length
935100323	RSMGVS-8M-RSMGVS-8M-998/1 M	1 m
935100325	RSMGVS-8M-RSMGVS-8M-998/2 M	2 m
935100328	RSMGVS-8M-RSMGVS-8M-998/5 M	5 m
935100321	RSMGVS-8M-RSMGVS-8M-998/10 M	10 m
935100322	RSMGVS-8M-RSMGVS-8M-998/15 M	15 m
935100324	RSMGVS-8M-RSMGVS-8M-998/20 M	20 m
935100326	RSMGVS-8M-RSMGVS-8M-998/30 M	30 m
935100327	RSMGVS-8M-RSMGVS-8M-998/40 M	40 m

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