

Flat cable, SmartWire-DT, 100m, 8-Pole

SWD4-100LF8-24 Part no. Article no. 116026





Delivery programme

Product range		SmartWire-DT accessories
Basic function		SWD ribbon cable
Function		For connecting the SmartWire-DT modules within the control panel
Description		8 pole not ready-assembled
Length	m	100
Note regarding length		1 off
Connection to SmartWire-DT		yes
For use with		EU5C-SWD EU5E-SWD M22-SWD DIL-SWD
Protection type (IEC/EN 60529, EN50178, VBG 4)		IP20

Technical data

Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)		IP20
Climatic environmental conditions		
Operating ambient temperature (IEC 60068-2)	°C	
Operating ambient temperature max.	°C	+ 55
Condensation		Take appropriate measures to prevent condensation
Relative humidity, non-condensing (IEC/EN 60068-2-30)	%	5 - 95

Design verification as per IFC/FN 61439

echnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
Degree of Protection			IP20
EC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			

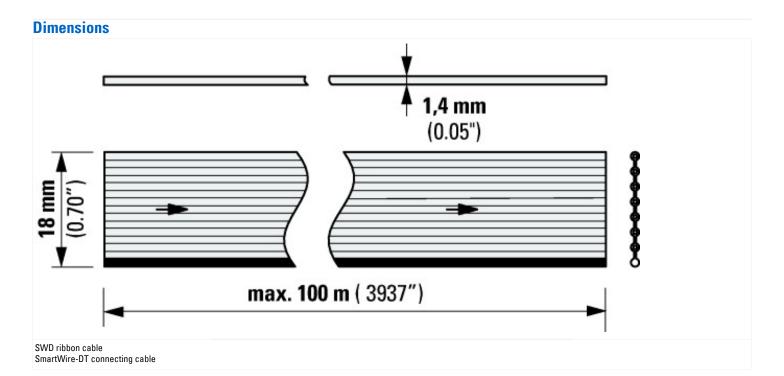
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data extending Unit united Conductor material mm 1.35 Nominal cross section conductor mm² 0.23 AWG-size 24 Conductor category Number of cores 8 8 Stranding element YO PVC Core identification None None Screen over stranding element None None Screen over stranding element None None Screen over stranding element YO Codour Screen over stranding element YO Codour Screen over stranding element YO Cone Screen over stranding element YO Cone Screen over stranding element YO YO Screen over stranding element YO YO Colour outer sheath YO YO Colour outer sheath YO YO Colour outer sheath YO YO Low snoke (acc. EN 60754-172) YO YO	Technical data ETIM 6.0			
Conductor meterial Cu, tinned Diameter conductor mm 1.35 Nominal cross section conductor mm² 0.23 AWG-size 24 Class 2 = stranded Conductor category Class 2 = stranded Number of cores 8 No Stranding element No PVC Core identification Colour None Screen over stranding element None None Screen over stranding element None PVC Colour None PVC Colour outer sheath Feren Feren Colour outer sheath Yes Green Halogen free (acc. EN 60754-1/2) Yes In accordance with EN 60332-1-2 Low smoke (acc. EN 61034-2) No No Duter diameter approx. mm 17.5 Permitted cable outer temperature, fixed °C -10 - 105 Category	Cables and wires unpreassembled (EG000001) / Data cable (EC000830)			
Diameter conductor mm 1.35 AWG-size 24 Conductor category Class 2 = stranded Number of cores 8 Stranding element No Core insulation PVC Core identification Core identification Screen over stranding element None Screen over stranding element None Screen over stranding None Material outer sheath PVC Colour outer sheath PVC Halogen free (acc. EN 60754-1/2) Yes Flame retardant Yes Low smoke (acc. EN 61034-2) No Duter diameter approx. mm 17.5 Permitted cable outer temperature, in movement °C -10-105 Permitted cable outer temperature, fixed °C -10-105 Category	Electric engineering, automation, process control engineering / Cable, wire / Commu	unication cable / D	a cable (ecl@ss8.1-27-06-18-01 [AKE197011])	
Nominal cross section conductor mm² 0.23 AWVG-size 24 Conductor category Class 2 = stranded Number of cores 8 Stranding element No Core insulation PVC Core identification Colour Screen over stranding element None Screen over stranding element None Material outer sheath PVC Colour outer sheath PVC Colour outer sheath FVC Colour outer sheath PVC Low smoke (acc. EN 60754-1/2) No Consequence with EN 60332-1-2 No Duter diameter approx. No Permitted cable outer temperature, in movement PC -10 - 105 <	Conductor material		Cu, tinned	
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Conductor category Number of cores Stranding element No Core insulation Core identification Colour Colour Core identification Colour Colour Core identification Colour Colour Colour Core identification Colour Colour Colour Core identification Colour	Nominal cross section conductor	mm	0.23	
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Outer diameter approx. mm 17.5 Permitted cable outer temperature, in movement °C -10 - 105 Permitted cable outer temperature, fixed °C -30 - 105 Category	Flame retardant		In accordance with EN 60332-1-2	
Permitted cable outer temperature, in movement °C -10 - 105 Permitted cable outer temperature, fixed °C -30 - 105 Category	Low smoke (acc. EN 61034-2)		No	
Permitted cable outer temperature, fixed °C -30 - 105 Category -	Outer diameter approx.	mm	17.5	
Category -	Permitted cable outer temperature, in movement	°C	-10 - 105	
	Permitted cable outer temperature, fixed	°C	-30 - 105	
NVP value % 66.7	Category		-	
	NVP value	%	66.7	

Approvals

UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	2324643
CSA Class No.	3211-07
North America Certification	UL listed, CSA certified
Specially designed for North America	No



Additional product information (links)

Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z

Instruction leaflet "SWD4...: wiring material and ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2015_08.pdf accessories" IL04716001Z

Manual "SmartWire-DT, The System" MN05006002Z (AWB2723-1617)

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MN05006002Z (AWB2723-1617) SmartWire-DT, Das System - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf
MN05006002Z (AWB2723-1617) SmartWire-DT, The system - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf
MN05006002Z (AWB2723-1617) SmartWire-DT, il sistema - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf
amp;startpage=Title;Product Range Catalog SmartWire-DT	http://ecat.moeller.net/flip-cat/?edition=SWCAT&
Technical data	http://ecat.moeller.net/flip-cat/?edition=SWCAT&startpage=32
SWD-ASSIST	http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99