



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

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



Powering Business Worldwide™



Delivery program

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

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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 IEC/EN 61439

Technical data for design verification		
Rated operational current for specified heat dissipation	I _n	A 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
IEC/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

Cables and wires unpreassembled (EG000001) / Data cable (EC000830)

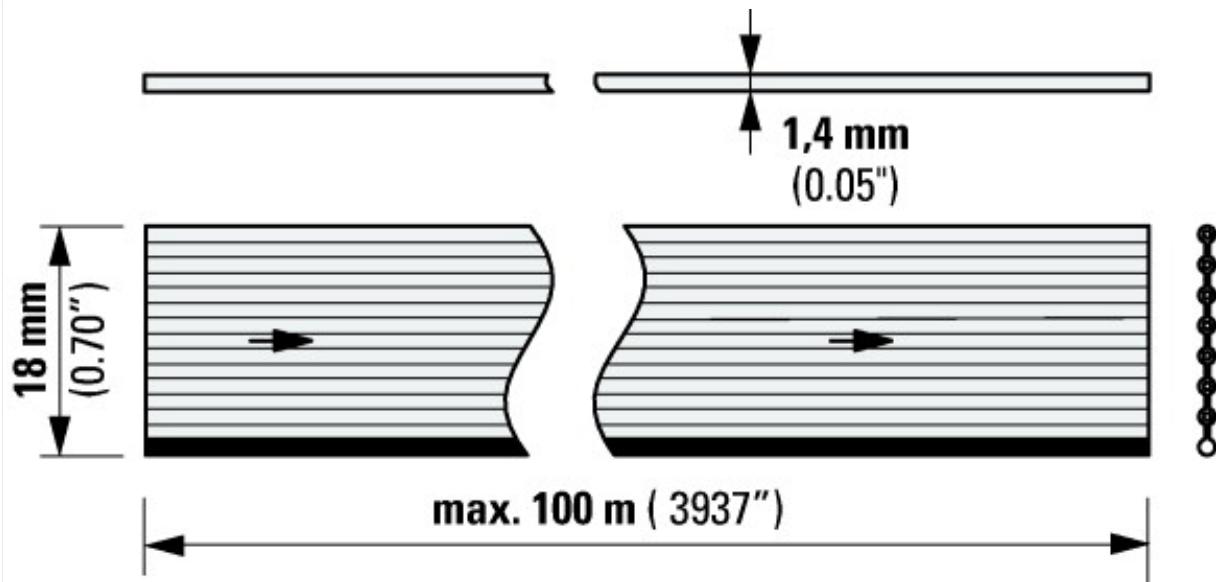
Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data cable (ecl@ss8.1-27-06-18-01 [AKE197011])

Conductor material		Cu, tinned
Diameter conductor	mm	1.35
Nominal cross section conductor	mm ²	0.23
AWG-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		None
Material outer sheath		PVC
Colour outer sheath		Green
Halogen free (acc. EN 60754-1/2)		Yes
Flame retardant		In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)		No
Outer diameter approx.	mm	17.5
Permitted cable outer temperature, in movement	°C	-10 - 105
Permitted cable outer temperature, fixed	°C	-30 - 105
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

Dimensions



SWD ribbon cable, not prefabricated

Additional product information (links)

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

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

Handbuch SmartWire-DT, Das System MN05006002Z

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&startpage=1>

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>