

## Round cable, SmartWire-DT, 50m, 8-Pole, 8mm

SWD4-50LR8-24 Part no. Article no. 116030





# **Delivery program**

Product range		SmartWire-DT accessories
Basic function		SWD round cable
Function		For connecting pilot devices in CI surface mounting enclosures
Description		8 pole HK-S0-Li2YY, 8 mm diameter
Length	m	50
Note regarding length		1 off
Connection to SmartWire-DT		yes
For use with		M22-SWD
Protection type (IEC/EN 60529, EN50178, VBG 4)		IP67

## **Technical data**

## **Ambient conditions, mechanical**

Protection type (IEC/EN 60529, EN50178, VBG 4)		IP67
Climatic environmental conditions		
Operating ambient temperature (IEC 60068-2)	°C	
Operating ambient temperature max.	°C	+ 70
Condensation		permissible

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
Degree of Protection			IP67
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.

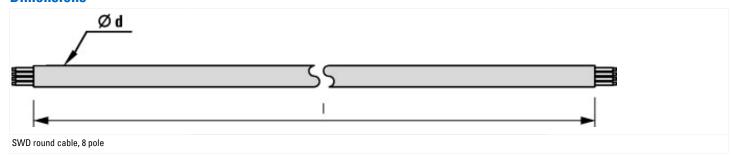
## **Technical data ETIM 6.0**

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, bare
Diameter conductor		mm	1.5
Nominal cross section conductor		mm²	0.5
AWG-size			20
Conductor category			Class 2 = stranded
Number of cores			8
Stranding element			Pairs
Core insulation			PE (polyethylene)
Core identification			Colour
Screen over stranding element			Foil
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	8.2
Permitted cable outer temperature, in movement		°C	-10 - 80
Permitted cable outer temperature, fixed		°C	-20 - 80
Category			
NVP value		%	66.5

# **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**



## **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

#### Handbuch SmartWire-DT, Das System MN05006002Z

MN05006002Z (AWB2723-1617) SmartWire-DT, ftp://ftp.moeller.net/DOCUMENTATION/AWB\_MANUALS/MN05006002Z\_DE.pdf Das System - Deutsch

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