



**SmartWire-DT round cable IP67, 4 meters, 5-pole, Prefabricated with M12 plug and M12 socket**



Powering Business Worldwide™



**Part no.** SWD4-4LR5-2S  
**Article no.** 174767  
**Catalog No.** SWD4-4LR5-2S

**Delivery program**

Product range			SmartWire-DT accessories
Basic function			SWD round cable
Function			For connecting peripheral SmartWire-DT cards
Description			5 pole prefabricated with M12 socket and M12 plug, A-keyed
Length		m	4
Note regarding length			1 off
Connection to SmartWire-DT			yes
For use with			EU1...-SWD... EU2...-SWD... EU6...-SWD... EU8...-SWD-...
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP67

**Technical data**

**Ambient conditions, mechanical**

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP67
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**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			
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)

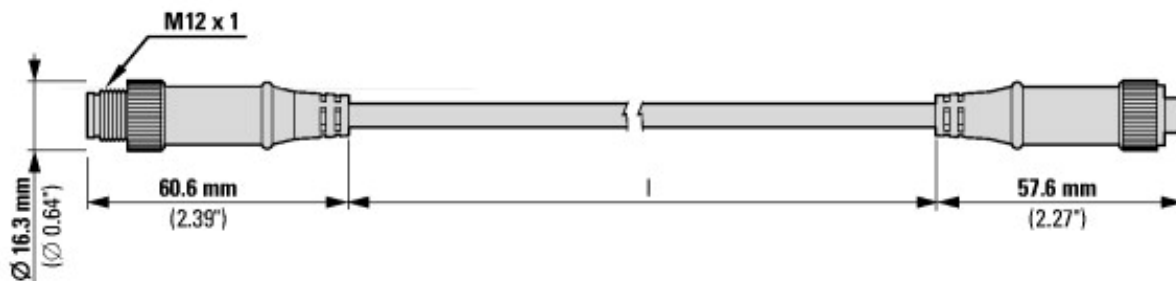
Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data cable (ecl@ss8.1-27-06-18-01 [AKE197011])

Conductor material		Cu, bare
Diameter conductor	mm	1.5
Nominal cross section conductor	mm <sup>2</sup>	0.5
AWG-size		20
Conductor category		Class 2 = stranded
Number of cores		5
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

North America Certification		UL listed, CSA certified
Specially designed for North America		No

## Dimensions



M12 SWD round cable, 5 pole

## Additional product information (links)

### SmartWire-DT manual, The System MN05006002Z

SmartWire-DT manual, The System MN05006002Z - Deutsch	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf</a>
SmartWire-DT manual, The System MN05006002Z - English	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf</a>
SmartWire-DT manual, The System MN05006002Z - italiano	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf</a>

<a href="#">amp;startpage=Title;Product Range Catalog SmartWire-DT</a>	<a href="http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;">http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;</a>
<a href="#">Technical data</a>	<a href="http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=32">http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=32</a>
<a href="#">SWD-ASSIST</a>	<a href="http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99">http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99</a>