

Flat cable, SmartWire-DT, 10 m, 8-Pole, prefabricated with 2 blade terminals SWD4-8MF2



Part no. SWD4-10LF8-24-2S
116029
EL Number 4519786
(Norway)

General specifications		
Product name		Eaton SWD4 Accessory Flat cable
Part no.		SWD4-10LF8-24-2S
EAN		4015081157693
Product Length/Depth		130 millimetre
Product height		22 millimetre
Product width		130 millimetre
Product weight		0.345 kilogram
Certifications		CSA UL CSA File No.: 2324643 CSA Class No.: 3211-07 UL Category Control No.: NKCR UL File No.: E29184
Product Tradename		SWD4
Product Type		Accessory
Product Sub Type		Flat cable
Catalog Notes		Condensation: prevent with appropriate measures Relative humidity: 5 - 95 % (non-condensing, IEC/EN 60068-2-30)
Features & Functions		
Features		Longitudinal water blocking cable UV resistant
Fitted with:		2 blade terminals SWD4-8MF2
Functions		For connecting the SmartWire-DT modules within the control panel
General information		
Cable length		10 m
Number of Poles		Eight-pole
Outer diameter - approximate		17.5 mm
Outer sheath material		Polyvinyl chloride (PVC)
Permitted bending radius, moving application with free movement - min		15 mm
Product category		SmartWire-DT accessories
Suitable as		Signaling cable
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		55 °C
Safety		
Flame retardant		In accordance with EN 60332-1-2
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 8.0

Cables (EG000001) / Data and communication cable (EC003249)

Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data and communication cable (copper) (ecl@ss10.0.1-27-06-18-01 [AKE197014])

Conductor material		Other
Conductor surface		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
Number of stranding elements		0
Stranding element		Pairs
Material core insulation		Polyvinyl chloride (PVC)
Specification core insulation		Other
Core identification according to HD 308 S2		No
Core identification		Colour
Screen over stranding element		Foil
Stranding		Bundle
Screen over stranding		None
Longitudinal water blocking cable		Yes
Radial water blocking cable		No
Suitable for underground installation		No
Approved type of underground installation		Other
Protective sheath		Other
Material outer sheath		Polyvinyl chloride (PVC)
Specification material outer sheath		Other
Colour outer sheath		Green
Armouring/reinforcement		None
Material reinforcement		Other
Cable geometry		Flat
Reaction-to-fire class according to EN 13501-6		None
Smoke development class according to EN 13501-6		None
Euro class flaming droplets/particles according to EN 13501-6		None
Euro class acidity according to EN 13501-6		None
Halogen free (according to EN 60754-1/2)		No
Halogen free (according to IEC 60754-2)		No
Flame retardant		According to IEC/EN 60332-1-2
Low smoke (according to EN 61034-2)		No

Low smoke (according to IEC 61034-2)			No
Oil resistant (according to EN 60811-404)			No
Oil resistant (according to IEC 60811-404)			No
Insulation integrity according to IEC 60331			No
Circuit integrity			None
Outer diameter approx.		mm	17.5
Min. permitted bending radius, moving application with forced guidance		mm	15
Min. permitted bending radius, moving application/free movement		mm	15
Min. permitted bending radius, stationary application/permanent installation		mm	7.5
Permitted cable outer temperature during assembling/handling		°C	-10 - 105
Permitted cable outer temperature after assembling without vibration		°C	-30 - 105
Category			Other
NVP value		%	66.7
UV resistant			Yes
Certified for shipboard application			No
Segregation class according to EN 50174-2			
Suitable as telephone cable			No
Suitable as computer data cable			No
Suitable as signalling cable			Yes
Weight		kg/km	
Compatible with Grade2TV according to XP-C 90-483			No
Compatible with Grade3TV according to XP-C 90-483			No