

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 P _{vid}		0 W
Heat dissipation capacity P _{diss}		0 W
Heat dissipation per pole, current-dependent P _{vid}		0 W
Rated operational current for specified heat dissipation (I _n)		0 A
Static heat dissipation, non-current-dependent P _{vs}		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 9.0

Cables (EG000001) / Data and communication cable (EC003249)			
Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data and communication cable (copper) (ecl@ss13-27-06-18-01 [AKE197019])			
Cable type			Other
Duplex			No
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
Number of sheath layers			0
Armouring/reinforcement			None
Material armouring			Other
Cable geometry			Flat
Flame retardant according to IEC 60332-1-2			No
Flame retardant according to IEC 60332-3-21 (Cat A F/R)			No
Flame retardant according to IEC 60332-3-22 (Cat A)			No
Flame retardant according to IEC 60332-3-23 (Cat B)			No
Flame retardant according to IEC 60332-3-24 (Cat C)			No

Flame retardant according to IEC 60332-3-25 (Cat D)		No
Low smoke according to EN IEC 61034-2		No
Halogen free according to EN IEC 60754-1		No
Halogen free according to EN IEC 60754-2		No
Halogen free according to EN IEC 60754-3		No
Reaction-to-fire according to EN 13501-6: Class		None
Reaction-to-fire according to EN 13501-6: Smoke production		None
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles		None
Reaction-to-fire according to EN 13501-6: Acidity		None
Circuit integrity according to IEC 60331-23		No
Oil resistant according to EN IEC 60811-404		No
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
Suitable for use as security alarm cable		No
Drain wire		No
With rip cord		No
Cable width approx.	mm	17.5
Cable height approx.	mm	22
Weight	kg/km	
Characteristic impedance	Ohm	100
Max. tensile strength during installation	kN	0.0115
Nominal voltage U	V	24
With rodent protection		No
Circuit integrity according to DIN 4102-12		
Compatible with Grade2TV according to XP-C 90-483		No
Compatible with Grade3TV according to XP-C 90-483		No
Cable type according to BS 4737-3.30		
Rip cord colour according to BS 4737-3.30		
Compliant with BT (British Telecom) specification		