DATASHEET - EASY-NT-150

Connecting cable for networking devices via easyNet, 2xRJ45, 150cm

Powering Business Worldwide™

Part no.	**EASY-NT-150**
Catalog No.	**256285**
EL-Nummer (Norway)	**4520998**

Delivery program

Description			Connection cable for XC200 to interface switch
Length		m	1.5
For use with			easy800 MFD-…-CP8…
For use with			easyNet

Technical data

Pairs 2 x 0.14 mm²

Conductor material			E-Cu 58 F21 nach DIN 40500 Teil 4
Conductor material			Max. 0.49 mm (Cu wire bare 7 x 0.16 mm^2)
Core			0.60 mm ±0.10 (dielectric polyethylene, halogen free, every two cores paired and twisted: wsbl-bl, wsor-or, wsgn-gn, wsbr-br)
Stranding			Four pairs
Sheath		mm^2	4.5 mm ± 0.2 (halogen free casing material, flame retardant (FRNC))

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
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 7.0

Cables (EG000001) / Data and communication cable (copper) (EC003249)			
Conductor surface			Bare
Diameter conductor		mm	4.5
Nominal cross section conductor		mm^2	0.14
AWG-size			26
Conductor category			Class 2 = stranded
Number of cores			8
Number of stranding elements			2
Stranding element			Pairs
Core insulation material			Other
Specification core insulation			
Core identification			Colour
Screen over stranding element			None
Stranding			
Screen over stranding			None
Longitudinal water blocking cable			
Radial water blocking cable			
Protective sheath			
Armouring			
Material outer sheath			
Specification material outer sheath			
Colour outer sheath			Grey
Reaction-to-fire class according to EN 13501-6			
Smoke development class according to EN 13501-6			
Euro class flaming droplets/particles according to EN 13501-6			
Euro class acidity according to EN 13501-6			
Halogen free (acc. EN 60754-1/2)			Yes
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Flame retardant			No
Low smoke (acc. EN 61034-2)			No
Low smoke (acc. IEC 61034-2)			Yes
Oil resistant (acc. EN 60811-404)			
Oil resistant (acc. IEC 60811-404)			
Insulation integrity in accordance with IEC 60331			
Circuit integrity			
Outer diameter approx.		mm	4.5
Min. permitted bending radius, moving application with forced guidance		mm	
Min. permitted bending radius, moving application/free movement		mm	
Min. permitted bending radius, stationary application/permanent installation		mm	
Permitted cable outer temperature during assembling/handling		°C	-25 - 60
Permitted cable outer temperature after assembling without vibration		°C	-25 - 60
Category			5E
NVP value		%	67
Underground installation			No
UV resistant			

Approvals

Product Standards			IEC/EN see Technical Data; UL 508; CSA C22.2 No. 142-M1987; CSA C22.2 No. 213-M1987; CE marking
UL File No.			E135462

UL Category Control No.	NRAQ
CSA File No.	012528
CSA Class No.	2258-02
North America Certification	UL listed, CSA certified
Degree of Protection	IEC: IP20, UL/CSA Type: -