



Connecting cable for networking devices via easyNet, 100m

Part no. EASY-NT-CAB
Catalog No. 256286

Delivery program

Product range			Control relay easyRelay Multi-function-display MFD-Titan
Accessories			easyNet accessories
Description			4 x 0.14 mm ² pair twisted cable AWG 26
Length		m	100
For use with			easyNet
Information relevant for export to North America			
UL File No. E135462			
UL Category Control No. NRAQ			
North America Certification UL listed			
Degree of Protection IEC: IP 20, UL/CSA Type: -			

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
Halogen free (acc. IEC 60754-2)		
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

UL File No.		E135462
UL Category Control No.		NRAQ
North America Certification		UL listed
Degree of Protection		IEC: IP 20, UL/CSA Type: -

Assets (links)

Manuals

- MN04902001Z_DE (German)
- MN04902001Z_EN (English)
- MN05013003Z_DE (German)
- MN05013003Z_EN (English)

Additional product information (links)

Manual "easy800 control relays" MN04902001Z (AWB2528-1423)

Handbuch „Steuerrelais easy800“
MN04902001Z (AWB2528-1423) - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_DE.pdf

Manual "easy800 control relays" MN04902001Z
(AWB2528-1423) - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_EN.pdf

Manual "easy500, easy700 control relays" MN05013003Z (AWB2528-1508)

Handbuch „Steuerrelais easy500, easy700“
MN05013003Z (AWB2528-1508) - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013003Z_DE.pdf

Manual "easy500, easy700 control relays"
MN05013003Z (AWB2528-1508) - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013003Z_EN.pdf

Manual "easyControl, EC4-200 programmable PLC" MN05003003Z

Handbuch „easyControl, SPS EC4-200“
MN05003003Z - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003003Z_DE.pdf

Manual "easyControl, EC4-200 programmable
PLC" MN05003003Z - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003003Z_EN.pdf