



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

**Part no.** EASY-NT-150  
**Catalog No.** 256285

**EL-Nummer** 4520998  
**(Norway)**

## Delivery program

|              |  |   |                                                |
|--------------|--|---|------------------------------------------------|
| Description  |  |   | Connection cable for XC200 to interface switch |
| Length       |  | m | 1.5                                            |
| For use with |  |   | easy800<br>MFD-...-CP8...                      |
| For use with |  |   | easyNet                                        |

## Technical data

Pairs 2 x 0.14 mm<sup>2</sup>

|                    |  |                 |                                                                                                                               |
|--------------------|--|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 <sup>2</sup> )                                                                         |
| 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 <sup>2</sup> | 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 <sub>n</sub>    | A  | 0                                                                                                                                |
| Heat dissipation per pole, current-dependent                                                                           | P <sub>vid</sub>  | W  | 0                                                                                                                                |
| Equipment heat dissipation, current-dependent                                                                          | P <sub>vid</sub>  | W  | 0                                                                                                                                |
| 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 | 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 <sup>2</sup> | 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

|                   |  |                                                                                                 |
|-------------------|--|-------------------------------------------------------------------------------------------------|
| 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: - |

## Additional product information (links)

|                                                                                  |                                                                                                                                                                 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manual "easy800 control relays" MN04902001Z (AWB2528-1423)</b>                |                                                                                                                                                                 |
| Handbuch „Steuerrelais easy800“<br>MN04902001Z (AWB2528-1423) - Deutsch          | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04902001Z_DE.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04902001Z_DE.pdf</a> |
| Manual "easy800 control relays" MN04902001Z<br>(AWB2528-1423) - English          | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04902001Z_EN.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN04902001Z_EN.pdf</a> |
| <b>Manual "easy500, easy700 control relays" MN05013003Z (AWB2528-1508)</b>       |                                                                                                                                                                 |
| Handbuch „Steuerrelais easy500, easy700“<br>MN05013003Z (AWB2528-1508) - Deutsch | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013003Z_DE.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013003Z_DE.pdf</a> |
| Manual "easy500, easy700 control relays"<br>MN05013003Z (AWB2528-1508) - English | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013003Z_EN.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013003Z_EN.pdf</a> |
| <b>Manual "easyControl, EC4-200 programmable PLC" MN05003003Z</b>                |                                                                                                                                                                 |
| Handbuch „easyControl, SPS EC4-200“<br>MN05003003Z - Deutsch                     | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05003003Z_DE.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05003003Z_DE.pdf</a> |
| Manual "easyControl, EC4-200 programmable<br>PLC" MN05003003Z - English          | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05003003Z_EN.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05003003Z_EN.pdf</a> |