

Sheet 1 of 3

# Technical Data

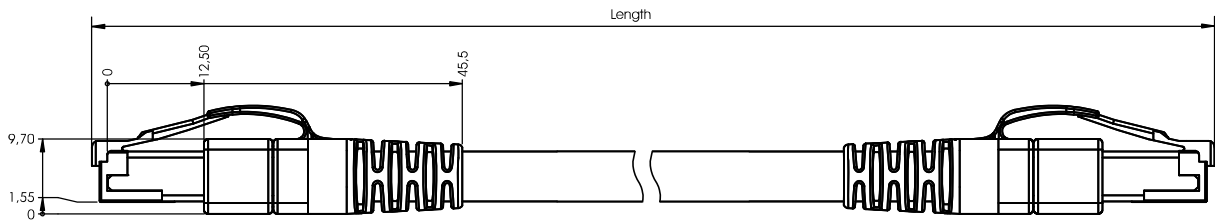
|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| <b>General Data</b>                   |                                                                                            |
| Connection                            | 1:1                                                                                        |
| Colors                                | white, black, gray, red, yellow, green, blue, turquoise, violet, orange                    |
| Identification possibility            | Colorclips (Order No.: CPZHS7BOX)                                                          |
| <b>Cable Characteristics</b>          |                                                                                            |
| Cable type                            | S/FTP                                                                                      |
| Number twisting elements              | 4P+1                                                                                       |
| Twisting elements                     | Pair                                                                                       |
| Configuration                         | LSHF (LSOH) acc. EN50290-2-27                                                              |
| Braid                                 | AWG26/7                                                                                    |
| Category                              | Cat. 6 ISO/IEC                                                                             |
| Shielding                             | shielded                                                                                   |
| <b>Connector Characteristics</b>      |                                                                                            |
| Housing material                      | Polycarbonate                                                                              |
| Pin plating                           | Au (Gold)                                                                                  |
| <b>Environmental Conditions</b>       |                                                                                            |
| Temperature range during operation    | -25°C to + 60°C                                                                            |
| Temperature range during installation | 0°C to + 50°C                                                                              |
| <b>Approvals</b>                      |                                                                                            |
| RoHS                                  | conform                                                                                    |
| <b>Standards</b>                      |                                                                                            |
| General requests                      | ISO/IEC 11801 Ed.2.2: 2011-06<br>DIN EN 50173-1: 2011-09<br>TIA/EIA 568-C.2<br>IEC 60332-1 |
| Plug                                  | DIN EN 60603-7                                                                             |
| <b>Transmission Characteristics</b>   |                                                                                            |
| Category (ISO)                        | 6                                                                                          |
| Category (TIA)                        | 6                                                                                          |
| Remote powering                       | yes                                                                                        |
| PoE                                   | IEEE 802.3af                                                                               |
| PoE +                                 | IEEE 802.3at                                                                               |
| PoE ++                                | IEEE 802.3bt                                                                               |
| UPoE                                  | yes                                                                                        |
| HDBaseT                               | yes                                                                                        |
| Bit rate up to 10 GBit                | IEEE 802.3an                                                                               |

|       |               |            |      |                                                |            |    |                                                                                                                                       |
|-------|---------------|------------|------|------------------------------------------------|------------|----|---------------------------------------------------------------------------------------------------------------------------------------|
|       |               |            |      | drawn                                          | 14.09.2017 | LP |  <b>EasyLan®</b><br>...for a better connectivity |
|       |               |            |      | appr.                                          | 14.09.2017 | MJ |                                                                                                                                       |
|       |               |            |      | Titel:                                         |            |    |                                                                                                                                       |
| h     | Änderung      | 10.02.2026 | MW   | EasyLan® Patch Cord DualBoot®<br>Cat.6 ISO/IEC |            |    | Dimensions: mm                                                                                                                        |
| g     | Änderung      | 02.11.2023 | MW   |                                                |            |    |                                                                                                                                       |
| f     | Änderung      | 17.10.2022 | MW   |                                                |            |    |                                                                                                                                       |
| e     | Änderung      | 12.11.2021 | MW   |                                                |            |    |                                                                                                                                       |
| d     | Änderung      | 17.02.2020 | LP   |                                                |            |    |                                                                                                                                       |
| c     | Änderung      | 10.10.2019 | LP   |                                                |            |    | Sheet 2 of 3                                                                                                                          |
| b     | Änderung      | 22.08.2019 | LP   |                                                |            |    |                                                                                                                                       |
| a     | Neuerstellung | 14.09.2017 | LP   |                                                |            |    |                                                                                                                                       |
| Index | Revision Code | Date       | Name | Drawing Number:<br>ZN-CU171102                 |            |    |                                                                                                                                       |

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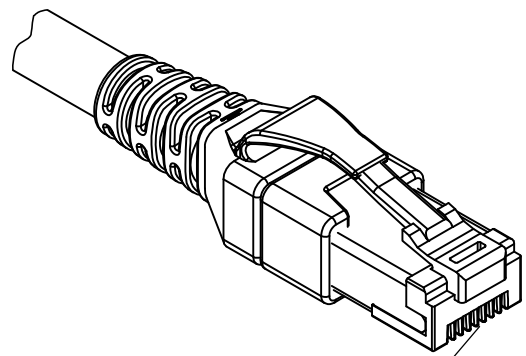
| Electrical Characteristics |                                         |
|----------------------------|-----------------------------------------|
| Loop resistance            | 290 Ω/km                                |
| Insulation resistance      | ≥5000 MΩ*km                             |
| Characteristic impedance   | 100 ± 3Ω                                |
| Propagation delay          | 10ns / 100m                             |
| Packaging Unit             | 0,1 m - ≤5,0 m = 5 pcs<br>>5,0 m = 1 pc |

## Drawing



| Color     | Order No.      |
|-----------|----------------|
| white     | CP1IWCWCW0000* |
| black     | CP1ISCSCS0000* |
| gray      | CP1IACACA0000* |
| red       | CP1IRCRCR0000* |
| yellow    | CP1IYCYCY0000* |
| green     | CP1IGCGCG0000* |
| blue      | CP1IBCBCB0000* |
| turquoise | CP1ITCTCT0000* |
| violet    | CP1IVCVCV0000* |
| orange    | CP1IOCOCO0000* |

\*Length in dm  
e.g. 0010 = 1 m



Dimensions RJ45  
according to IEC 60603-7

|                                      |                                                                                       |                                                                                                              |                                        |                                                                                                                                       |            |    |
|--------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|----|
| h<br>g<br>f<br>e<br>d<br>c<br>b<br>a | Änderung<br>Änderung<br>Änderung<br>Änderung<br>Änderung<br>Änderung<br>Neuerstellung | 10.02.2026<br>02.11.2023<br>17.10.2022<br>12.11.2021<br>17.02.2020<br>10.10.2019<br>22.08.2019<br>14.09.2017 | MW<br>MW<br>MW<br>LP<br>LP<br>LP<br>LP | drawn                                                                                                                                 | 14.09.2017 | LP |
|                                      |                                                                                       |                                                                                                              |                                        | appr.                                                                                                                                 | 14.09.2017 | MJ |
|                                      |                                                                                       |                                                                                                              |                                        | Titel:                                                                                                                                |            |    |
|                                      |                                                                                       |                                                                                                              |                                        | EasyLan® Patch Cord DualBoot®<br>Cat.6 ISO/IEC                                                                                        |            |    |
|                                      |                                                                                       |                                                                                                              |                                        | Drawing Number:                                                                                                                       |            |    |
| Index                                | Revision Code                                                                         | Date                                                                                                         | Name                                   | ZN-CU171102                                                                                                                           |            |    |
|                                      |                                                                                       |                                                                                                              |                                        |  <b>EasyLan®</b><br>...for a better connectivity |            |    |
|                                      |                                                                                       |                                                                                                              |                                        | Dimensions: mm                                                                                                                        |            |    |
|                                      |                                                                                       |                                                                                                              |                                        | Original: DIN A4                                                                                                                      |            |    |
|                                      |                                                                                       |                                                                                                              |                                        | Sheet 3 of 3                                                                                                                          |            |    |