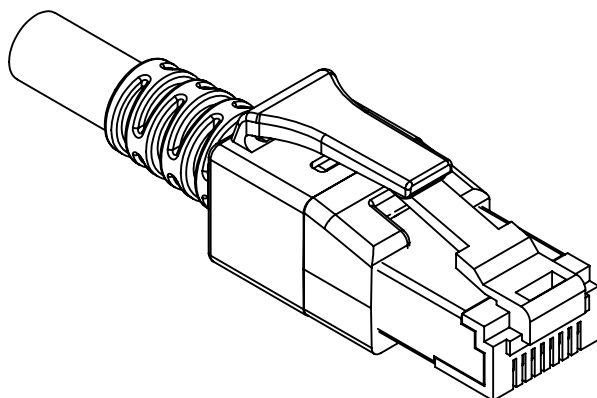


# Technical Datasheet

## *EasyLan<sup>®</sup> Patch Cord DualBoot<sup>®</sup> LED Cat.6<sub>A</sub> ISO/IEC*

**Article No. : see on page 3**



|                            |                                                                                             |                                                                                  |                                  |                 |               |      |                                                                                                                                                  |             |                  |
|----------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|-----------------|---------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------|
| f<br>e<br>d<br>c<br>b<br>a | Änderung<br>Änderung<br>Änderung<br>Änderung<br>Biegeradius<br>hinzugefügt<br>Neuerstellung | 02.11.2021<br>22.07.2020<br>22.08.2019<br>11.06.2019<br>21.04.2017<br>21.04.2017 | MW<br>LP<br>LP<br>LP<br>LP<br>LP | drawn           | 21.04.2017    | LP   |  <b>EasyLan<sup>®</sup></b><br>...for a better connectivity |             |                  |
|                            |                                                                                             |                                                                                  |                                  | appr.           | 21.04.2017    | MJ   |                                                                                                                                                  |             |                  |
|                            |                                                                                             |                                                                                  |                                  | Titel:          |               |      | EasyLan <sup>®</sup> Patch Cord DualBoot <sup>®</sup> LED<br>Cat.6 <sub>A</sub> ISO/IEC                                                          |             | Dimensions: mm   |
|                            |                                                                                             |                                                                                  |                                  | Drawing Number: |               |      |                                                                                                                                                  |             | Original: DIN A4 |
|                            |                                                                                             |                                                                                  |                                  | Index           | Revision Code | Date | Name                                                                                                                                             | ZN-CU171050 |                  |

# Technical Data

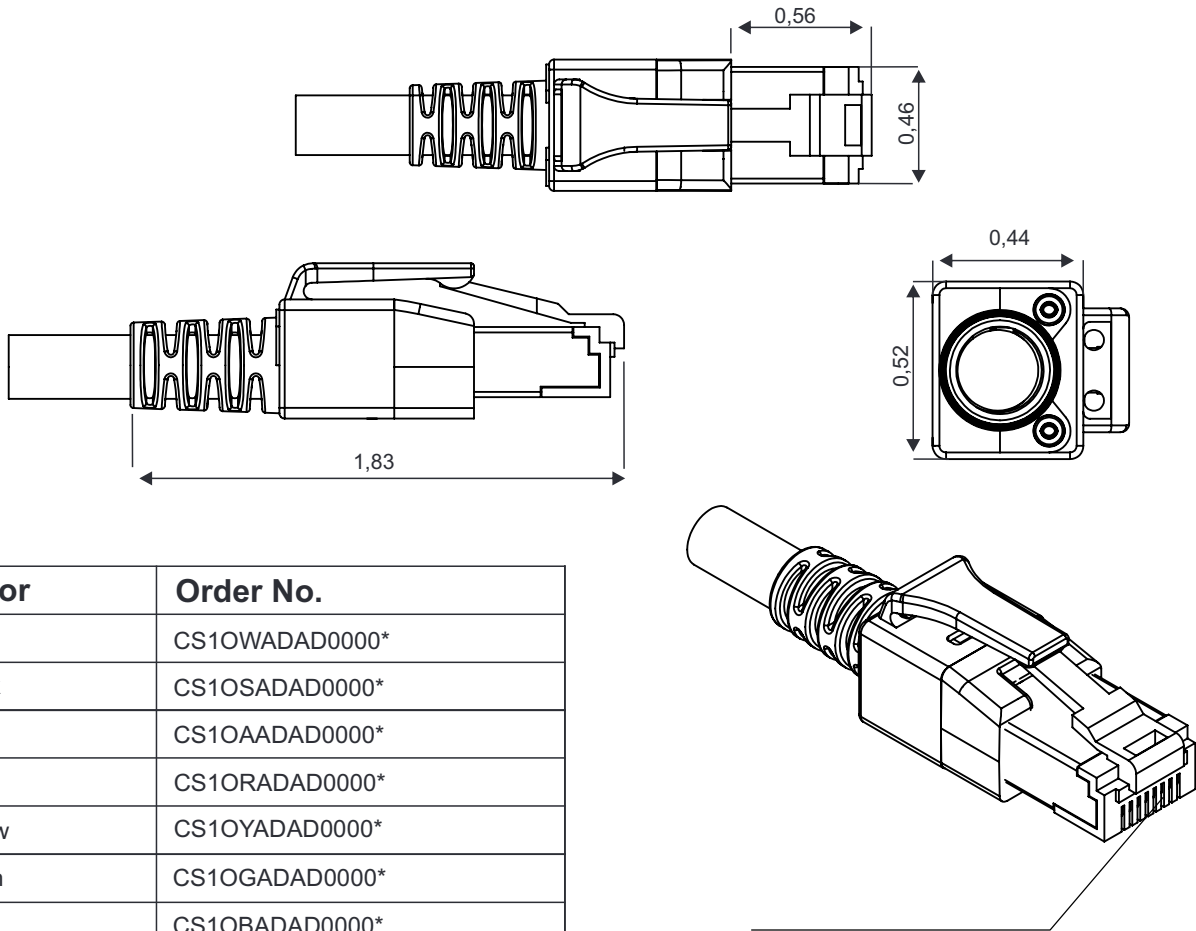
|                                       |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>General Data</b>                   |                                                                                                      |
| Connection                            | 1:1                                                                                                  |
| Colors                                | white, black, gray, red, yellow, green, blue, turquoise, violet, orange                              |
| Identification possibility            | Colorclips (Order No.: CSZC11BOX)                                                                    |
| <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 <sub>A</sub> 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>DIN EN IEC 60332-3-24 |
| Plug                                  | DIN EN 60603-7                                                                                       |
| <b>Transmission Characteristics</b>   |                                                                                                      |
| Category (ISO)                        | 6 <sub>A</sub>                                                                                       |
| Category (TIA)                        | 6 <sub>A</sub>                                                                                       |
| 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                                                                                         |

|                            |                                                                                 |                                                                                  |                                  |                                                                 |            |    |                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------|------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------|
| f<br>e<br>d<br>c<br>b<br>a | Änderung<br>Änderung<br>Änderung<br>Biegeradius<br>hinzugefügt<br>Neuerstellung | 02.11.2021<br>22.07.2020<br>22.08.2019<br>11.06.2019<br>21.04.2017<br>21.04.2017 | MW<br>LP<br>LP<br>LP<br>LP<br>LP | drawn                                                           | 21.04.2017 | LP | <div> <b>EasyLan®</b><br/>...for a better connectivity</div> |
|                            |                                                                                 |                                                                                  |                                  | appr.                                                           | 21.04.2017 | MJ |                                                                                                                                                   |
|                            |                                                                                 |                                                                                  |                                  | Titel:                                                          |            |    |                                                                                                                                                   |
|                            |                                                                                 |                                                                                  |                                  | EasyLan® Patch Cord DualBoot® LED<br>Cat.6 <sub>A</sub> ISO/IEC |            |    |                                                                                                                                                   |
|                            |                                                                                 |                                                                                  |                                  | Drawing Number:                                                 |            |    |                                                                                                                                                   |
| Index                      | Revision Code                                                                   | Date                                                                             | Name                             | ZN-CU171050                                                     |            |    | Dimensions: mm                                                                                                                                    |
|                            |                                                                                 |                                                                                  |                                  |                                                                 |            |    | Original: DIN A4                                                                                                                                  |
|                            |                                                                                 |                                                                                  |                                  |                                                                 |            |    | Sheet 2 of 3                                                                                                                                      |

# Technical Data

| 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     | CS1OWADAD0000* |
| black     | CS1OSADAD0000* |
| gray      | CS1OAADAD0000* |
| red       | CS1ORADAD0000* |
| yellow    | CS1OYADAD0000* |
| green     | CS1OGADAD0000* |
| blue      | CS1OBADAD0000* |
| turquoise | CS1OTADAD0000* |
| violet    | CS1OVADAD0000* |
| orange    | CS1OOADAD0000* |

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

Dimensions RJ45  
according to IEC 60603-7

|                            |                                                                                 |                                                                                  |                                  |                                                                                                                                       |            |    |
|----------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|----|
| f<br>e<br>d<br>c<br>b<br>a | Änderung<br>Änderung<br>Änderung<br>Biegeradius<br>hinzugefügt<br>Neuerstellung | 02.11.2021<br>22.07.2020<br>22.08.2019<br>11.06.2019<br>21.04.2017<br>21.04.2017 | MW<br>LP<br>LP<br>LP<br>LP<br>LP | drawn                                                                                                                                 | 21.04.2017 | LP |
|                            |                                                                                 |                                                                                  |                                  | appr.                                                                                                                                 | 21.04.2017 | MJ |
|                            |                                                                                 |                                                                                  |                                  | Titel:<br>EasyLan® Patch Cord DualBoot® LED<br>Cat.6 <sub>A</sub> ISO/IEC                                                             |            |    |
|                            |                                                                                 |                                                                                  |                                  | Drawing Number:<br>ZN-CU171050                                                                                                        |            |    |
| Index                      | Revision Code                                                                   | Date                                                                             | Name                             |  <b>EasyLan®</b><br>...for a better connectivity |            |    |
|                            |                                                                                 |                                                                                  |                                  | Dimensions: mm                                                                                                                        |            |    |
|                            |                                                                                 |                                                                                  |                                  | Original: DIN A4                                                                                                                      |            |    |
|                            |                                                                                 |                                                                                  |                                  | Sheet 3 of 3                                                                                                                          |            |    |