

## CAT5e (PROFINET), Shielded, 4-Poles, D coding



1 = Yellow  
2 = White  
3 = Orange  
4 = Blue



## Ethernet Single-Ended and Double-Ende Cord Sets for Railway Applications

CAT5e (PROFINET), Shielded, 4-Poles, D coding

| Environmental conditions              | 0985 508 120                                                      | 0985 508 121          |
|---------------------------------------|-------------------------------------------------------------------|-----------------------|
| Environmental temperature             | IP 67                                                             |                       |
| Degree of protection (IP), mounted    | -40°C to +85°C                                                    |                       |
| Pollution degree                      | 3                                                                 |                       |
| Classifications                       |                                                                   |                       |
| Belden class                          | Industrial Ethernet Railway Connectors                            |                       |
| Belden brand                          | Lumberg Automation                                                |                       |
| Mechanical data                       |                                                                   |                       |
| Type of plug-in contact               | Male                                                              | Male to Male          |
| Design of housing                     | Striaight                                                         | Straight to Striaight |
| Thread                                | M12                                                               | M12 to M12            |
| Coding                                | D                                                                 |                       |
| Materials                             |                                                                   |                       |
| Housing material / Molded body        | PA                                                                |                       |
| Contact bearer material               | PBT                                                               |                       |
| Contact material                      | CuSn                                                              |                       |
| Contact material / Surface refinement | gold-plated                                                       |                       |
| Knurled screw / nut material          | CuZn, nickel-plated                                               |                       |
| Approvals                             |                                                                   |                       |
| Approvals                             | EN 50155, IEC 61373, DIN CLC/TS 50467, DIN CEN/TS 45545, DIN 5510 |                       |
| RoHS 2002/95 EG compliant             | yes                                                               |                       |
| Cable specifications                  |                                                                   |                       |
| Cable jacket                          | PUR                                                               |                       |
| Color                                 | Black                                                             |                       |
| Gauge                                 | 26 AWG                                                            |                       |
| Overall diameter                      | 6.5 mm                                                            |                       |
| Conductor                             | 8                                                                 |                       |
| Insulation                            | PE                                                                |                       |
| Foil shield                           | yes                                                               |                       |
| Braided shield                        | yes                                                               |                       |
| Electrical data                       |                                                                   |                       |
| Contact resistance                    | ≤ 5 mΩ                                                            |                       |
| Rated current In                      | 4 A at 40°C                                                       |                       |
| Nominal voltage                       | 60 V                                                              |                       |
| Rated voltage                         | 250 V                                                             |                       |
| Test voltage                          | 2 kV eff./60 s                                                    |                       |
| Insulation resistance                 | > 1 GΩ                                                            |                       |

The application of these products in harsh environments should always be checked before use.  
Specifications subject to alteration.