

**SERIES  
71000**

## Profibus data communication cables



Fixed application

cULus



RoHS

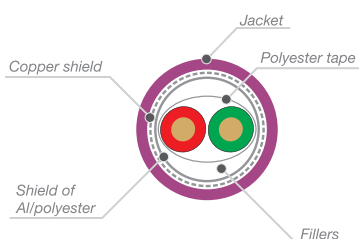
CE UK CA



### Use

Machine tool wire field BUS cable. The double shielding (electrostatic and electromagnetic) makes it suitable for environments with electromagnetic compatibility (EMC). The special PVC jacket grants very good mechanical performance, a good abrasion resistance and a very good resistance to the most common industrial oils and fluids.

Information. An additional UL certified cut-to-length service is carried out on request ("Processed Wire").



### Technical data

| Characteristics           | Value/property   |
|---------------------------|--|
| Conductor                 | Rigid bare copper 1x0,64 mm  |
| Insulation                | TKblend®-L   |
| Conductors                | Twisted, green/red colors  |
| Taping                    | Polyester tape   |
| Shield                    | Aluminum/polyester tape and tinned copper braid, nom. coverage 85%   |
| Jacket                    | PVC compound, oil-resistant and flame-resistant, Desina RAL 4001 violet color  |
| Temperature range         | -10°C, +80°C   |
| Voltage rating            | 300 V  |
| Max DC resistance         | 57,5 Ω/km  |
| Max DC loop resistance    | 115,0 Ω/km   |
| Characteristic impedance  | 150 Ω  |
| Capacitance               | 29 nF/km @ 800 Hz  |
| Dielectric strength       | 1500 V x 1 min (cond./cond. - cond./shield)  |
| Bending radius            | 15 x cable outer diameter  |
| Standards of construction | Flame res.: IEC 60332-1, UL 1581 par. 1060-1061, CSA FT2   Oil res.: IEC 60811-2-1, EN 50363-4-1   Other: UL 1581, UL 758, CSA AWM I/II A/B, cURus AWM Style 20601 |
| Standards of use          | ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 20601  |

### Marking

TEKIMA 71010 "PROFIBUS" – CE (1x2x0,35) mm<sup>2</sup> 80°C 300 V IEC 60332-1 – c(UR)us E314444 AWM Style 20601 (1x2x22) AWG 80°C 300 V AWM Class I/II A/B FT2 – 150 Ohm – (prod.reference) = (metric) =

### Coding and dimensions

| Code              | Num. conductors x Size [mm <sup>2</sup> ] | Num. conductors x Size [AWG] | Diameter [mm (inch)] | Weight [kg/km (lb/mft)] |
|-------------------|---|------------------------------|----------------------|-------------------------|
| CVFD0001_71010_D3 | ((1x2x0,35))                              | ((1x2x22))                   | 7,8 (0.307)          | 78 (52)                 |