

SERIES
71100

Profibus data communication cables



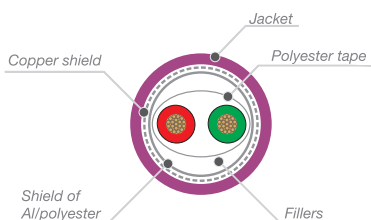
Dynamic application



Use

Filed BUS cable planned for mobile installation on a cable holder chain. 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	Flexible copper strand 19X0,13 mm (0,25 mm ²)
Insulation	TKblend®-L
Conductors	Twisted, green/red colors
Taping	Polyester tape
Shield	Aluminum/polyester tape and tinned copper braid, nom. coverage 85%, rip cord
Jacket	PVC, oil-resistant and flame-resistant, Desina RAL 4001 violet color
Temperature range	-10°C, +80°C
Voltage rating	30 V
Characteristic impedance	150 Ω
Capacitance	30 pF/m (cond./cond.), 50 pF/m (cond./shield)
Dielectric strength	500 V x 1 min (cond./cond. - cond./shield)
Bending radius	10 x cable outer diameter
Speed	80 m/min
Acceleration	7 m/s ²
Standards of construction	Flame res.: IEC 60332-1, CEI 20-35, UL VW-1, CSA FT1 Oil res.: UL 1581 Other: CSA C22.2 No. 210, CSA AWM I/II A/B, cUR AWM Style 2919
Standards of use	CSA C22.1 (CE Code), CSA C22.2 No.286, Style 2919

Marking

TEKIMA 71100 "PROFIBUS" – CE (1x2x0,25) mm² 80°C 30 V CEI 20-35 IEC 60332-1 – c(UR)us E314444 AWM Style 2919 (1x2x24) AWG 80°C 30 V VW-1 Class I/II A/B FT1 – (prod.reference) = (metric) =

Coding and dimensions

Code	Num. conductors x Size [mm ²]	Num. conductors x Size [AWG]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]
CVFD0001_71100_D3	(1x2x0,25)	(1x2x24)	8,0 (0.315)	71 (48)