

**SERIES
73000**

DeviceNet data communication cables



Fixed application



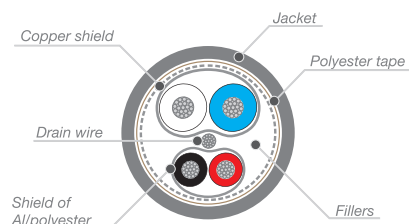
DeviceNet™



Use

The DeviceNet field BUS cable has been planned for the fixed application connection of industrial equipment, and is made of two couples of connectors, the first for the power supply made with red and black conductors, the second for the signal made with blue and white conductors. The range of cables includes a Trunk type used for the main lines of DeviceNet network and Drop type, connecting the devices to the main line through derivation. The jacket, made of a special PVC compound, grants very good mechanical performance.

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



Technical data

Characteristics	Value/property
Conductor	Tinned copper strand. Drop type: signal conductor 19x0,13 mm (0,25 mm ²), power conductor 19x0,16 mm (0,35 mm ²) Trunk type: signal conductor 19x0,25 mm (0,93 mm ²), power conductor 19x0,36 mm (1,93 mm ²)
Insulation	TKblend®-L
Conductors	Twisted, black/red colors (power), blue/white (signal)
Shield	Aluminum/polyester tape on pairs (coverage 100%), overall tinned copper braid, nom. coverage 65%. Drain wire 22/19 AWG.
Jacket	PVC compound, oil-resistant and flame-resistant RAL 7001 gray color.
Temperature range	-40°C, +80°C
Voltage rating	300 V
Characteristic impedance	120 Ω
Capacitance	40 nF/km @ 800 Hz
Dielectric strength	2000 V x 1 min (cond. - shield)
Bending radius	10 x cable outer diameter
Standards of construction	Flame res.: IEC 60332-1, UL 1581, CSA FT2 Oil res.: IEC 60811-2-1, ICEA S-82-552 Other: UL 1581, UL 758, CSA AWM I/II A/B, cURus AWM Style 2571 or Style 20601
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 2571 or Style 20601

Marking

TEKIMA 73010 "DEVICENET" – CE ((2x0,25)+(2x0,35)) mm² 80°C IEC 60332-1 – c(UR)us E314444 AWM Style 2571 ((2x24)+(2x22)) AWG 80°C 300 V AWM I/II A/B FT2 – 120 Ohm – (prod.reference) = (metric) =

Coding and dimensions

Code	Num. conductors x Size [mm ²]	Num. conductors x Size [AWG]	Type	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]	Max DC resistance [Ω/km]
CVFD0001_73010_GR	[(2x0,25)+(2x0,35)]	[(2x24)+(2x22)]	Drop	6,9 (0.272)	71 (48)	78,0 (data), 54,0 (power)
CVFD0002_73010_GR	[(2x1)+(2x1,5)]	[(2x18)+(2x15)]	Trunk	12,0 (0.472)	220 (148)	23,2 (data), 11,3 (power)