

SERIES
74100

CanOpen data communication cables



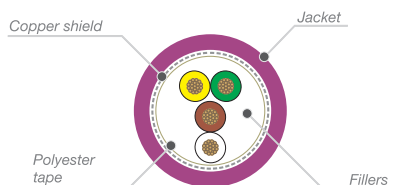
Fixed application



Use

The CanOpen (Control Area Network) field BUS cable, at first planned for the automotive sector, is now employed also in the industrial one. This cable has been planned for fixed installation use, and is suitable for environments with electromagnetic compatibility (EMC) problems. The special PVC jacket grants good mechanical performances, a good abrasion resistance and a very good resistance to the most used industrial oils and lubricants.

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



Technical data

Characteristics	Value/property
Conductor	Size 0,34 mm ² strand 7x0,25 mm Size 0,22 mm ² strand 7x0,20 mm
Insulation	TKblend®-L
Conductors	Twisted, DIN 47100 colors (white, brown, green, yellow)
Taping	Polyester tape
Shield	Tinned copper braid, nom. coverage 85%
Jacket	PVC compound, oil-resistant and flame-retardant. Desina RAL 4001 violet color
Temperature range	-20°C, +80°C
Voltage rating	300 V
Characteristic impedance	120 Ω
Capacitance	40 pF/m
Dielectric strength	1000 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 Other: 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 74100 "CanTek" – CE (1x2x0,34) mm² 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 – 120 Ohm – (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_74100_D3	[2x(2x0,22)]	[2x(2x24)]	7,5 (0.295)	69 (46)
CVFD0002_74100_D3	[2x(2x0,34)]	[2x(2x22)]	8,5 (0.335)	78 (52)
CVFD0003_74100_D3	[1x(2x0,34)]	[1x(2x22)]	6,5 (0.256)	48 (32)
CVFD0004_74100_D3	[3x(2x0,34)]	[3x(2x22)]	9,0 (0.354)	105 (71)