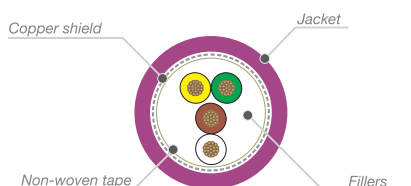## SERIES 74000

CanOpen data transmission cables

Dynamic 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 the use in mobile installations on Cartesian axis, and is suitable for environments with electromagnetic compatibility (EMC) problems. The special polyuretan jacket grants very good mechanical performances, a very good abrasion resistance and a good resistance to the most used 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	0,25 mm^2 (32x0,10 mm)
Insulation	TKblend®-L
Conductors	Twisted, DIN 47100 colors (white, brawn, green, yellow)
Taping	Non-woven tape
Shield	Tinned copper braid, nom. coverage 85%
Jacket	PUR halogen free. Desina RAL 4001 violet color.
Temperature range	-40°C, +80°C
Voltage rating	300 V
Max DC resistance	79,0 Ω/km
Characteristic impedance	120 Ω
Dielectric strength	1000 V x 1 min (cond./shield)
Bending radius	10 x cable outer diameter
Speed	180 m/min
Acceleration	5 m/s^2
Standards of construction	Flame res.: IEC 60332-1, UL 1581, CSA FT2 | Oil res.: IEC 60811-2-1, ICEA S-82-552, ASTM-oil-1 | Other: VDE 0472 par. 1, VDE 0282/10, NEK 606, UL 758, CSA AWM I/II A/B, cURus AWM Style 20978
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 20978

Marking

TEKIMA 74000 "CanTek" – CE (1x2x0,25) mm^2 80°C 300 V IEC 60332-1 – c(UR)us E314444 AWM Style 20978 (1x2x24) 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 [mm²]	Num. conductors x Size [AWG]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]
CVFD0001_74000_D3	[1x(2x0,25)]	[1x(2x24)]	6,2 (0.244)	49 (33)
CVFD0002_74000_D3	[2x(2x0,25)]	[2x(2x24)]	8,4 (0.331)	76 (51)