

DATA

Encoder, resolver and data transmission cables



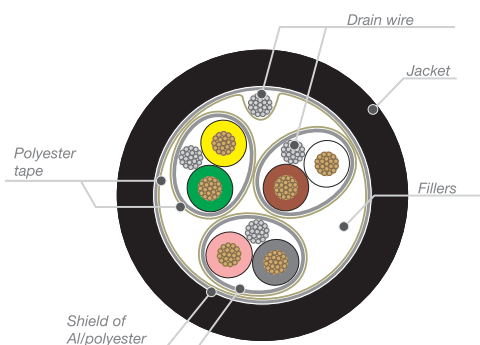
Fixed application



Use

Machine tool wire cables produced for fixed applications or not-cyclical and not-repetitive mobile uses. They are used for equipment meant for the European (EC) and North American (UL) markets. Their good oil and abrasion resistance permit their use in static connections without particular protections and without compromising the original electrical and mechanical properties. The good flame resistance makes them suitable for the installation in any industrial environment. The metric marked on the jacket allows an easier processing and installation of the cable.

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



Technical data

Characteristics	Value/property
Conductor	Bare copper
Insulation	TKblend®-R
Conductor distinction	Twisted: (White, Brown); (Green, Yellow); (Gray, Pink)
Pairs shield	Aluminum/polyester (coverage 100%), drain wire 14x0,15 mm and protective PET tape.
Total shield	Protective PET tape, drain wire 14x0,15 mm and aluminum/polyester (coverage 100%).
Jacket	PVC compound. Black color.
Temperature range	+80°C -25°C (fixed); -5°C (not fixed ⁽¹⁾)
Voltage rating	300 V
Test voltage	2000 V x 1 min
Electrical resistance	<75,37 Ω/km
Bending radius	5 x cable outer diameter
Standards of construction	Flame res.: UL VW-1, CSA FT1, IEC 60332-1, CEI 20-35 Oil res.: ISO 6722 Other: CEI 20-52, IEC 60344, IEC 60885-1, UL 758, AWM I/II A/B, UL AWM Style 2464
Standards of use	ANSI/NFPA 79, UL 508a, Style 2464

(1) For mobile use with scarcely repetitive and non-cyclical movements.

Marking

TEKIMA CVFS0001_0301S_NE – CE (3x2x0,25) mm² 80°C 300 V CEI 20-35 IEC 60332-1– c(UR)us E314444 AWM Style 2464 (3x2x24) AWG 80°C 300 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)]
CVFS0001_0301S_NE	(3x(2x0,25))	(3x(2x24))	7,0 (0.276)	58 (39)