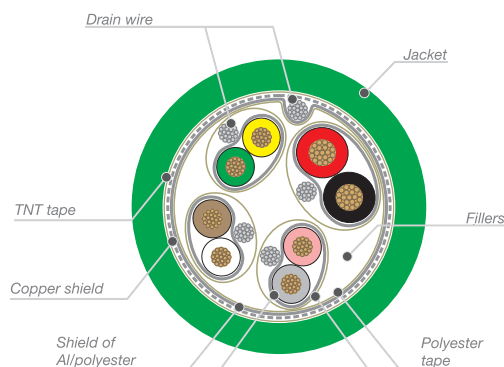




Use

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), North American (UL) and Canadian (CSA) 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®-L
Conductor distinction	Twisted pair 0,5 mm ² : (Red, Black) Twisted pair 0,22 mm ² : (White, Brown); (Green, Yellow); (Gray, Pink)
Pairs shield	Aluminum/polyester (coverage 100%), drain wire 7x0,20 mm and protective PET tape.
Total shield	Protective aluminum/polyester (coverage 100%), drain wire 7x0,20 mm and tin copper shield (nom. coverage 85%). TNT tape over total assembly.
Jacket	PVC compound. Green color RAL 6018.
Temperature range	-25°C ⁽²⁾ (fixed); -5°C (not fixed ⁽¹⁾)
Voltage rating	300 V
Test voltage	2000 V x 1 min
Electrical resistance	Pair 0,5 mm ² : <37,10Ω/km; Pair 0,22 mm ² : <84,79 Ω/km
Bending radius	5 x cable outer diameter
Standards of construction	Flame res.: UL Vertical flame, CSA FT2 or FT1, IEC 60332-1, CEI 20-35 Oil res.: ISO 6722 Other: CEI 20-52, UL 758, CSA AWM I/II A/B, cURus AWM Style 2464 or 20601
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 2464 or 20601

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

(2) On request special product up to -40°C.

Marking

TEKIMA 0321S – CE (2x0,5 + 3x(2x0,22)) mm² 80°C 300 V CEI 20-35/IEC 60332-1 – c(UR)us E314444 AWM Style 20601 (2x21 + 3x(2x24)) AWG 80°C 300 V – AWM Class I/II A/B 80°C 300V FT2 – (prod.reference) = (metric) =

Coding and dimensions

Code	Num. conductors x Size [AWG]	Num. conductors x Size [mm ²]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]
CVFS0003_0321S_D1	((2x21)+3x(2x24))	((2x0,50)+3x(2x0,22))	9,5 (0.374)	116 (78)