

**SERIES**  
**78100**

## DRIVE-CLiQ data transmission cables



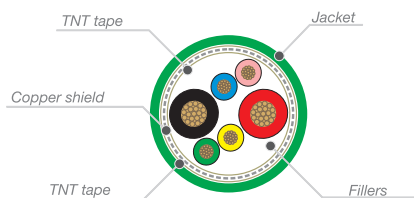
Dynamic application



### Use

The DRIVE-CLiQ data communication cable for mobile application is used in connection of industrial equipment. DRIVE-CLiQ is an open encoder interface that allows users to select the right measuring system for their application. With this interface it is possible to connect encoders to magnetic/inductive, magnetostrictive sensors, lasers measuring systems. This cable, made of a polyurethane jacket, grants very good mechanical performance, oil and flame resistance.

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



### Technical data

Characteristics	Value/property
Conductor	Bare copper. Conductors 0,15 mm <sup>2</sup> (19x0,10 mm) acc. to VDE 0295 Cl.6. Conductors 0,34 mm <sup>2</sup> (19x0,15 mm) acc. to VDE 0295 Cl.5.
Insulation	TKblend®-YP
Conductors	Twisted, red/black colors (0,34 mm <sup>2</sup> ), yellow/green and pink/blue (0,15 mm <sup>2</sup> )
Inner taping	TNT tape under shield
Shield	Tinned copper braid, nom. coverage 85%
Outer taping	TNT tape over shield
Jacket	PUR, oil-resistant and flame-resistant. Similar to RAL 6018 green color.
Temperature range	-50°C, +80°C (fixed); -25°C, +80°C (not fixed); -5°C, +60°C (drag chain)
Voltage rating	300 V
Test voltage	1500 V x 1 min
Speed	220 m/s
Acceleration	10 m/s <sup>2</sup>
Bending radius	5 x cable outer diameter (fixed), 10 x cable outer diameter (not fixed)
Standards of construction	Flame res.: UL FT1   Oil res.: EN 50363-10   Other: IEC 60754-1, EN 50267-2-1, VDE 0472-815, UL 1581, EN 50396, UL 758, CSA AWM I/II A/B, cURus AWM Style 20233
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 20233

### Marking

TEKIMA 78100 – CE (2x2x0,15+2x0,34) mm<sup>2</sup> 80°C (fix) 60°C (mobile) 300 V – c(UR)us E314444 AWM Style 20233 (2x2x26+2x22) AWG 80°C (fix) 60°C (mobile) 300 V AWM Class I/II A/B FT1 – (prod.reference) = (metric) =

### Coding and dimensions

Code	Num. conductors x Size [mm <sup>2</sup> ]	Num. conductors x Size [AWG]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]
CVFD0001_78100_VE	(2x2x0,15+2x0,34)	(2x2x26+2x22)	6,8 (0.268)	69 (46)