

SERIES
78100

DRIVE-CLiQ data transmission cables

Dynamic application



c US

RoHS

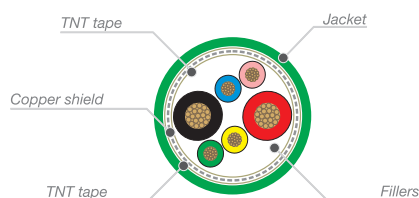
CE UKCA



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 ² (19x0,10 mm). Conductors 0,34 mm ² (19x0,15 mm).
Insulation	TKblend®-YP
Conductors	Twisted, red/black colors (0,34 mm ²), yellow/green and pink/blue (0,15 mm ²)
Inner taping	TNT tape under shield
Shield	Tinned copper braid, nom. coverage 85%
Outer taping	TNT tape over shield
Jacket	PUR, oil-resistant, flame-resistant, halogen-free. Similar to RAL 6018 green color.
Temperature range	-40°C, +80°C (fixed); -30°C, +70°C (flexing); -20°C, +65°C (dynamic)
Voltage rating	300V (125V operating)
Test voltage	1500 V x 1 min
Speed	220 m/s
Acceleration	3 m/s ²
Bending radius	6 x cable outer diameter (fixed), 8 x cable outer diameter (flexing), 10 x cable outer diameter (dynamic)
Standards of construction	Flame res.: UL FT2, IEC 60332-1-2 Oil res.: IEC 60811-404 oil IIR 902 UV res.: UL 1581 par. 1200 Halogen-free: IEC 60754-1 Other: IEC 60754-2, IEC 61156-6, UL 758, UL 1581, 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

Marking

TEKIMA 78100 – CE (2x2x0,15+2x0,34) mm² 300 V – c(UR)us E314444 AWM Style 20978 (2x2x26+2x22) AWG 80°C 300 V AWM I/II A/B 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)]
CVFD0001_78100_VE	(2x2x26+2x22)	(2x2x0,15+2x0,34)	7,0 (0.276)	69 (46)