

SERIES
75100

Industrial Ethernet data transmission cables

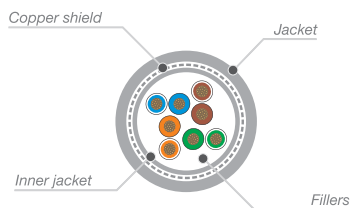
Dynamic application



Use

The Ethernet networks and the TCP/IP protocol are among the most widespread data communication systems of the industrial automation. These are powerful communication technologies which permit integration with the Office environment, IT functionality, Internet/Intranet, remote configuration. The cable has been planned for dynamic application and is suitable for environments with electromagnetic compatibility (EMC) problems. The special PUR jacket grants good mechanical performances, a good abrasion resistance and a very 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
Category	Ethernet/IP S/UTP Cat.5e
Conductor	0,15 mm ² (19x0,10 mm)
Insulation	TKblend®-L
Conductors	Twisted, colored in rings or stripes. 4 pairs cable (White/Blue+ Blue), (White/Orange+Orange), (White/Green+Green), (White/Brown+Brown)
Internal jacket	TPE halogen free
Shield	Tinned copper braid, nom. coverage 85%
Jacket	Polyurethane halogen free. Gray color.
Temperature range	-20°C, +70°C (dynamic); -40°C, +80°C (fixed)
Voltage rating	100 V
Max DC loop resistance	284,0 Ω/km
Characteristic impedance	100 Ω
Capacitance	48 pF/m
Dielectric strength	700 V x 1 min (cond./cond. - cond./shield)
Bending radius	10 x cable outer diameter
Speed	180 m/min
Acceleration	3 m/s ²
Standards of construction	Oil res.: IEC 60811-2-1, ICEA S-82-552, ASTM-oil-1 Other: VDE 0472 par. 1, VDE 0282/10, NEK 606

Marking

TEKIMA 75120 "Industrial Ethernet/IP" S/UTP CAT.5e – CE (4x2x0,15) mm² – (4x2x26) AWG 80°C 125 V – (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_75120_GR	(4x2x26)	(4x2x0,15)	6,3 (0.248)	56 (38)