

**SERIES
75000**

Industrial Ethernet data transmission cables



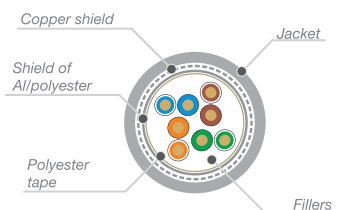
Fixed application



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 is planned for fixed application and is suitable for environments with electromagnetic compatibility (EMC) problems. The special PVC 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 SF/UTP Cat.5e
Conductor	Rigid bare copper 0,22 mm ²
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) 2 pairs cable (White/Orange+Orange), (White/Green+Green)
Taping	Polyester tape
Shield	Aluminum/polyester tape and tinned copper braid, nom. coverage 85%
Jacket	PVC compound, oil-resistant, flame retardant and UV resistant. Gray color.
Temperature range	-30°C, +80°C
Voltage rating	300 V
Max DC resistance	93,8 Ω/km
Characteristic impedance	100 Ω
Capacitance	48 pF/m
Dielectric strength	1000 V x 1 min (cond) 700 V x 1 min (shield)
Bending radius	10 x cable outer diameter
Standards of construction	Flame res.: IEC 60332-1-2, UL 1581, CSA FT2 Oil res.: IEC 60811-2-1 UV res.: UL 1581 par.1200 Other: UL 1581, UL 758, EN 61156-5, EN 50288-2-1, CSA AWM I/II A/B, cURus AWM Style 20601
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 20601

Marking

TEKIMA 75020 "Industrial Ethernet" SF/UTP CAT.5e – CE (2x2x0,21) mm² 80°C 300 V IEC 60332-1 – c(UR)us E314444 AWM Style 20601 (2x2x24) AWG 80°C AWM Class I/II A/B 80°C 300 V FT2 – (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)]
CVFD0001_75020_GR	[2x(2x0,21)]	[2x(2x24)]	6,0 (0.236)	44 (30)
CVFD0002_75020_GR	[4x(2x0,21)]	[4x(2x24)]	6,4 (0.252)	58 (39)