SERIES 75600
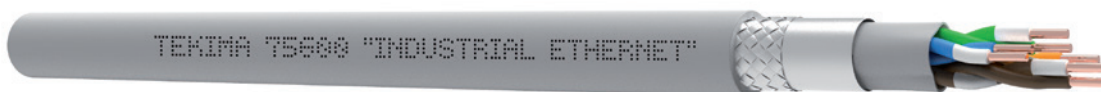
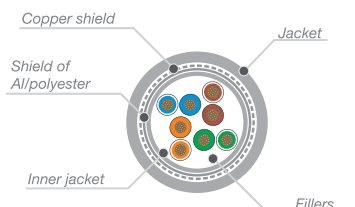# Industrial Ethernet CMX data transmission cables

Dynamic application

Use

UL Listed Ethernet cable produced according to UL 444. 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 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").

Copper shield
Shield of Al/polyester
Jacket
Inner jacket
Fillers

Technical data

Characteristics	Value/property
Category	Ethernet S/FTP 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/Brawn+Brawn)
Internal jacket	TPE halogen free
Shield	Aluminum/polyester tape and tinned copper braid, nom. coverage 85%
Jacket	Flame retardant, halogen free polturethane and UV-resistant. Gray color.
Temperature range	-30°C, +70°C (dynamic); -40°C, +75°C (fixed)
Voltage rating	125 V
Max DC conductor resistance	142,0 Ω/km
Characteristic impedance	100 Ω
Capacitance	48 pF/m
Dielectric strength	1000 V x 1 min (cond./cond.), 700 V x 1 min (cond./shield)
Bending radius	10 x cable outer diameter (fixed) 15 x cable outer diameter (dynamic)
Speed	180 m/min
Acceleration	3 m/s^2
Standards of construction	Flame res.: IEC 60332-1-2, UL 1581 par. 1080 | Oil res.: IEC 60811-2-1, ASTM-oil-1, ICEA S-82-552 | UV res.: UL 1581 par. 1200 | Other: VDE 0472 par. 1, VDE 0282/10, NEK 606, EN 50267-2-1, EN 50267-2-2, IEC 60754-1, IEC 60754-2, UL 444
Standards of use	UL 444 (type CMX), NFPA 70 (Art. 800)

Marking

TEKIMA 75620 "Industrial Ethernet" S/FTP CAT.5e – CE (4x2x0,15) mm^2 75°C 125 V IEC 60332-1 – c(UL)us CMX E501447 (4x2x26) AWG 75°C 125 V – (prod.reference) = (metric) =

Coding and dimensions

Code	Num. conductors x Size [mm²]	Num. conductors x Size [AWG]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]
CVFD0001_75620_GR	(4x2x0,15)	(4x2x26)	7,4 (0.291)	76 (51)