

**SERIES**  
**75500**

## Industrial Ethernet CMR data transmission cables



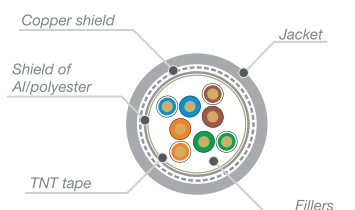
Fixed application



### 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 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 S/FTP o SF/UTP Cat.5e
Conductor	Rigid bare copper 0,22 mm <sup>2</sup>
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) 2 pairs cable (White/Orange+Orange), (White/Green+Green)
Nastratura Taping	Non-woven 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, +75°C
Voltage rating	125 V
Max DC resistance	86,0 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	8 x cable outer diameter
Standards of construction	Flame res.: IEC 60332-1, UL 1666   Oil res.: IEC 60811-2-1, EN 50363-4-1, DIN VDE 0472-803, ICEA S-82-552, NEMA WC55   UV res.: UL 1581 par. 1200   Other: UL 1581, EN 61156-5, EN 50288-1, ISO/IEC 11801
Standards of use	UL 444 (type CMR), NFPA 70 (Art. 800)

### Marking

TEKIMA 75530 "Industrial Ethernet" S/FTP CAT.5e – CE (2x2x0,21) mm<sup>2</sup> 60°C 125 V IEC 60332-1 – c(UL)us CMR E501447 (2x2x24) AWG 60°C 125 V – (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_75530_GR	[2x(2x0,22)]	[2x(2x24)]	6,6 (0.260)	57 (38)
CVFD0002_75530_GR	(4x2x0,22)	(4x2x24)	6,8 (0.268)	67 (45)