

SERIES
75200

Industrial Ethernet data transmission cables Cat.6

Dynamic application

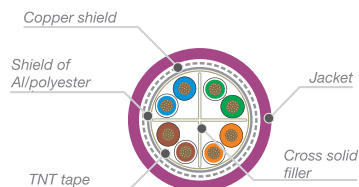


TEKIMA 75220 "INDUSTRIAL ETHERNET"

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 thermoplastic polyurethane (TPU) 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.6
Conductor	0,15 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)
Taping	Non-woven tape
Shield	Aluminum/polyester tape and tinned copper braid, nom. coverage 85%
Jacket	Polyurethane halogen free and UV-resistant. Violet color.
Temperature range	-30°C, +80°C (dynamic); -40°C, +80°C (fixed)
Voltage rating	1000 V (work 50 V)
Max DC loop resistance	290,0 Ω/km
Characteristic impedance	100 Ω
Capacitance	47 pF/m
Dielectric strength	1000 Vac x 1 min
Bending radius	6 x cable outer diameter (fixed) 8 x cable outer diameter (dynamic)
Speed	300 m/min
Acceleration	5 m/s ²
Standards of construction	Flame res.: IEC 60332-1-2, UL 1581 par. 1100 (FT2), 1090 Oil res.: IEC 60811-2-1, ICEA S-82-552, ASTM Oil 1 UV res.: UL 1581 par. 1200 Other: VDE 0472 par.1, NEK 606, VDE 0282/10, EN 50267-2-1, IEC 60754-1, EN 50267-2-2, IEC 60754-2, IEC 61156-6, EN 50288-5-2, EN 50173-1, ISO/IEC 11801, UL 758, cURus AWM Style 21576
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 21576

Marking

TEKIMA 75220 "Industrial Ethernet" SF/UTP CAT.6 – CE (4x2x0,15) mm² 80°C IEC 60332-1-2 – c(UR)us E314444 AWM Style 21576 (4x2x26) AWG 80°C 1000 V AWM Class 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_75220_D3	[4x(2x26)]	[4x(2x0,15)]	7,2 (0.283)	64 (43)