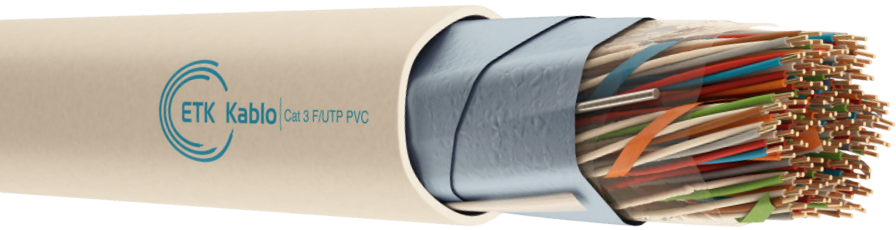
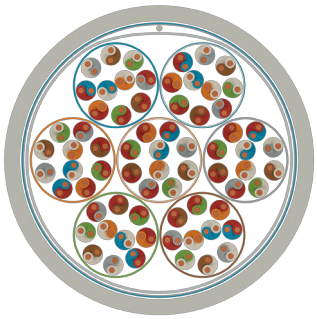
Data/LAN Cables

Cat 3 F/UTP PVC

RoHS REACH CE





Application

· 10 BASE-T (IEEE 802.3)
· 100 VG-AnyLAN (IEEE 802.12)
· 4/16 Mbps Token Ring (IEEE 802.5)
· 52 Mbps ATM
. Feeder cable for frequency controlled motors with electromagnetic interference.
· In indoor installations, switchboards and subscriber distributions, signal and data transmission..
. In places where human life, valuable materials and equipments need to be protected.

Cable Construction

1 - Conductor : Electrolytic solid copper conductor.
2 - Insulation : Solid polyethylene insulation
3 - Stranding : In layers up to 10 pairs, 20 pairs to 100 pairs consist of stranding of 10 pair groups wrapped with polypropylene identification tape
4 - Wrapping : Polyester tape
5 - Screen : Tinned copper earthing wire, Al/PET tape
6 - Outer Jacket : UV resistant PVC outer jacket. RAL 7035 (Grey)

Technical Characteristics

Conductor Resistance Ω/km	Insulation Resistance MΩxkm (500 V DC)	Mutual Capacitance nF/km	Capacitance Unbalance	Propaga-tion Velocity	Operating Voltage V	Test Voltage V	Characteristic Impedance Ω
94	5000	66	%5	%67-69	230	1200	100±%15. 1-16 MHz

Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD mm	-20°C~+60°C

Standards

Manufacturing Std.	Flame Retardancy Test
ANSI/TIA-568-C.2. IEC-61156-5. IEC-11801	IEC 60332-1-2. VDE 0482-332-1-2. EN 60332-1-2

Electrical Properties

Frequency MHz	Insertion Loss dB/100m (Max.)	Near-end Crosstalk (NEXT) Loss dB (Min.)	Return Loss (RL) dB (Min.)	SRL dB/100m (Min.)	Propagation Delay nS/100m (Max.)
0.772	2.2	43	-	12	575
1	2.6	41	23	12	570
4	5.6	32	23	12	552
8	8.5	28	23	12	546.7
10	9.8	26	23	12	545.4
16	13.1	23	23	10	543

Cat 3 F/UTP 24 AWG PVC

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.423.2.1.2.0051.0.0002	2	0.51	4	9.2	21	100/500/1000
3.423.2.1.2.0051.0.0003	3	0.51	4.8	13.2	28	100/500/1000
3.423.2.1.2.0051.0.0004	4	0.51	5.6	17.2	35	100/500/1000
3.423.2.1.2.0051.0.0006	6	0.51	6.4	24.8	48	100/500/1000
3.423.2.1.2.0051.0.0008	8	0.51	7.3	32.6	63	100/500/1000
3.423.2.1.2.0051.0.0010	10	0.51	8.4	40.9	82	100/500/1000
3.423.2.1.2.0051.0.0012	12	0.51	9.1	48.8	111	100/500/1000
3.423.2.1.2.0051.0.0016	16	0.51	10.2	64.4	135	100/500/1000
3.423.2.1.2.0051.0.0020	20	0.51	12.7	80.0	164	100/500/1000
3.423.2.1.2.0051.0.0024	24	0.51	13.5	96.4	182	100/500/1000
3.423.2.1.2.0051.0.0025	25	0.51	13.7	99.6	188	100/500/1000
3.423.2.1.2.0051.0.0030	30	0.51	15.1	119.1	229	100/500/1000
3.423.2.1.2.0051.0.0032	32	0.51	15.3	126.9	243	100/500/1000
3.423.2.1.2.0051.0.0048	48	0.51	18.1	190.2	338	100/500/1000
3.423.2.1.2.0051.0.0050	50	0.51	15.1	197.3	326	100/500/1000
3.423.2.1.2.0051.0.0064	64	0.51	20.3	307.1	434	100/500/1000
3.423.2.1.2.0051.0.0075	75	0.51	22.2	336.4	512	100/500/1000
3.423.2.1.2.0051.0.0100	100	0.51	25.7	392.7	659	100/500/1000