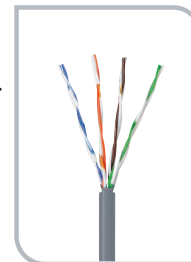


Data Cables



UNSCREENED TWISTED PAIR (UTP) CABLES - DATA CABLE

This cable meets or exceeds the requirements of TIA/EIA 568-B.2 and ISO/IEC 11801. Suitable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LAN's. Support Gigabit Ethernet (1000 baseT) standard.



CONSTRUCTION

Cable Type : Cu / PVC

Conductor : 24 AWG solid bare copper

Insulation : Polyethylene

Pairs : 2 insulated conductors twisted together, lays varied to minimise crosstalk.
4 pairs twisted together.

Sheath : PVC (Grey, Orange, Blue) or LSOH (Violet), 6.35mm overall diameter maximum.
Other colours available on request.

COLOR CODE

Pair	Conductor 1	Conductor 2
1	Blue	White / Blue
2	Orange	White / Orange
3	Green	White / Green
4	Brown	White / Brown

CONNECTION SYSTEMS

Compatible with all common systems according to EN 50173, ISO/IEC 11801 and TIA/EIA 568-B.

ELECTRICAL PROPERTIES

Conductor Resistance : < 9.38 Ω /100m

Mutual Capacitance : < 5.6 nF/100m

Resistance Unbalance : 3% maximum

Capacitance Unbalance : 330 pF/km

Delay Skew : < 45 ns

NVP : 68%

MECHANICAL PROPERTIES

Bending Radius

During Installation : > 42 mm

After Installation : > 21 mm

Pulling Force : < 65 N

Temperature Range : -15°C +/-70°C

Heat of Combustion : 373 MJ/km

PACKAGING

Available in easy-pull boxes (305m) or non-returnable reels of longer lengths.

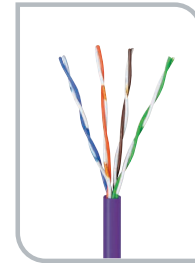
Frequency (Mhz)	Attenuation (db/100m)	NEXT (db/100m)	PSNEXT (db/100m)	ELFEXT (db/100m)	PSELFEXT (db/100m)	Return Loss (db)
0.77	1.8	67.0	64.0	66.0	63.0	-
1.00	2.0	65.3	62.3	63.8	60.8	20.0
4.00	4.1	56.3	53.3	51.7	48.7	23.0
8.00	5.8	51.8	48.8	45.7	42.7	24.5
10.00	6.5	50.3	47.3	43.8	40.8	25.0
16.00	8.2	47.3	44.3	39.7	36.7	25.0
20.00	9.3	45.8	42.8	37.7	34.7	25.0
25.00	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.50	17.0	38.4	35.4	27.8	24.8	21.5
100.00	22.0	35.3	32.3	23.8	20.8	20.0

Data Cables



UNSCREENED TWISTED PAIR (UTP) CABLES - DATA CABLE

This cable meets or exceeds the requirements of TIA/EIA 568-B.2 and ISO/IEC 11801. Suitable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LAN's. Support Gigabit Ethernet (1000 baseT) standard. The X-Separator at the center ensures Cat 6 performance.



CONSTRUCTION

Cable Type : Cu / PVC

Conductor : 0.56mm solid bare copper

Insulation : Polyethylene

Pairs : 2 insulated conductors twisted together, lays varied to minimise crosstalk.
4 pairs twisted together.

Sheath : PVC (Grey, Orange, Blue) or LSOH (Violet), 6.50mm overall diameter maximum.
Other colours available on request.

COLOR CODE

Pair	Conductor 1	Conductor 2
1	Blue	White / Blue
2	Orange	White / Orange
3	Green	White / Green
4	Brown	White / Brown

CONNECTION SYSTEMS

Compatible with all common systems according to EN 50173, ISO/IEC 11801 and TIA/EIA 568-B.

ELECTRICAL PROPERTIES

Conductor Resistance : 141 Ω /100m

Mutual Capacitance : 49 pF/km (nom.)

Resistance Unbalance : 2% maximum

Capacitance Unbalance : 1600 pF/km

Delay Skew : 400 ns/km

NVP : 68%

MECHANICAL PROPERTIES

Bending Radius

During Installation : 8xD

After Installation : 4xD

Pulling Force : 100 N

Temperature Range : -15°C +60°C

Heat of Combustion : 373 MJ/km

PACKAGING

Available in easy-pull boxes (305m) or non-returnable reels of longer lengths.

Frequency (Mhz)	Attenuation (db/100m)	NEXT (db/100m)	PSNEXT (db/100m)	ELFEXT (db/100m)	PSELFEXT (db/100m)	Return Loss (db)
1.0	2.0	74.3	72.3	67.8	64.8	20.0
4.0	3.8	65.3	63.3	55.8	52.8	23.0
8.0	5.3	60.8	58.8	49.7	46.7	24.5
10.0	6.0	59.3	57.3	47.8	44.8	25.0
16.0	7.6	56.2	54.2	43.7	40.7	25.0
20.0	8.5	54.8	52.8	41.8	38.8	25.0
25.0	9.5	53.3	51.3	39.8	36.8	24.3
31.25	10.7	51.9	49.9	37.9	34.9	23.6
62.5	15.4	47.4	54.4	31.9	28.9	21.5
100.0	19.8	44.3	42.3	27.8	24.8	20.1
200.0	29.0	39.8	37.8	21.8	18.8	18.0
250.0	32.8	38.3	36.3	19.8	16.8	17.3