



Cat5e UTP PE

DATA CABLE



DESCRIPTION

Conductor: 4 twisted pair 24AWG solid bare Cu conductor, **Insulation:** Polyethylene (PE) insulation, **Unshielded twisted pair (UTP)**, **Sheath:** Polyethylene (PE) , **Sheath Colour:** Black

APPLICATION

High performance solid copper multi-pair cable for data transmission. Supports frequency range of 100Mhz and speeds of up to 1 gigabit per second. Polyethylene outer sheath offers good resistance to water, making this cable suitable for outdoor installations.

CHARACTERISTICS

Temperature Range	-20°C to +60°C (MIN. INSTALLATION 0°C)
UV Resistant	Yes
Minimum Bending Radius	10xOD
Approvals/Standards	ISO/IEC11801, EIA/TIA568-C.2



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CONDUCTOR	INSULATION	SHEATH	APPROX. OD
24AWG Cu 0.48mm ±0.010	PE RTI:0.90mm ±0.01mm	PE Black Thickness: 0.55mm	5.1±0.5mm
MAX. LINEAR RESISTANCE (Ω/Km)	MUTUAL CAPACITY (μF/m)	UNBAL. CAPACITY MAX. (p-p AT 1kHz)	CHARACTERISTIC IMPEDANCE (Ω)
≤95.5	50	1600	100 ±15

ELECTRICAL CHARACTERISTICS

FREQUENCY MHz	RETURN LOSS dB	ATTENUATION dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB
1	20.0	2.1	65.3	62.3	63.8	60.8
4	23.0	4.1	56.3	53.3	51.8	48.8
10	25.0	6.6	50.3	47.3	43.8	40.8
16	25.0	8.2	47.2	44.2	39.7	36.7
20	25.0	9.3	45.8	42.0	37.8	34.8
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	27.9	24.9
100	20.1	22.0	35.3	32.3	23.8	20.8

PACKAGING:

305mtr Boxes or Cuts From Bulk Stock

ALL FIGURES QUOTED ARE APPROXIMATE

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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