

LAN Cable

(work) series

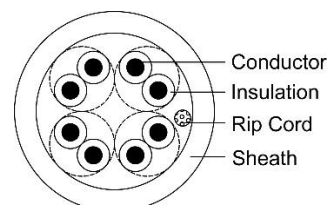
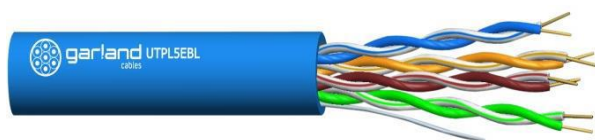
Part No: UTPL5E-W

Description Solid 24AWG PACW, UTP, 4 Pairs, PE Insulation, Rip Cord, PVC Sheath, UL Listed Cat5E cable.

Applicable Standards UL444, ANSI/TIA 568-C.2, ISO/IEC 11801, AS/NZS 3080, AS/CA S-008, AS 1049

Suitable Applications Used in Structured cabling for computer networks operating up 100 Mbit on Class D links. Suitable for 10BaseT and 100BaseT Ethernet applications.

Images



Jacket colour for illustration only.

Refer to Supply Information Table for available jacket colours.



Construction

Conductor	Material	PACW
	Size	24AWG
	Stranding	Solid
Insulation	Pairs	4
	Material	PE
	Colour	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange, Brown/White-Brown Stripe
	Nominal OD (mm)	0.9
Filler	Material	Rip Cord
Sheath	Material	PVC
	Colour	Refer to "Supply Information"
	Nominal OD (mm)	5.3

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Electrical Properties	Max. Conductor DC Resistance @ 20°C	93.8 Ω/km
	Max. DC Conductor resistance unbalanced	5%
	Nominal Velocity of Propagation	68%
	Characteristic Impedance(1-100MHz)	100±15Ω
	Nom. Mutual Capacitance @ 1KHz	56 pF/m
	Max. Capacitance Unbalance @ 20°C	330 pF/100m
	Max. Delay	538ns/100m @ 100MHz

Electrical Properties	Freq. (MHz)	Min. RL (dB/ 100m, 20°C)	Max. IL (dB/ 100m, 20°C)	Min. NEXT (dB/ 100m, 20°C)	Min. PSNEXT (dB/ 100m, 20°C)	Min. ELFEXT (dB/ 100m, 20°C)	Min. PS ELFEXT (dB/ 100m, 20°C)
	1.0	20.0	2.0	65.3	62.3	63.8	60.8
	4.0	23.0	4.1	56.3	53.3	51.8	48.8
	8.0	24.5	5.8	51.8	48.8	45.7	42.7
	10.0	25.0	6.5	50.3	47.3	43.8	41.8
	16.0	25.0	8.2	47.2	44.2	39.7	36.7
	20.0	25.0	9.3	45.7	42.8	37.8	34.7
	25	24.3	10.4	44.3	41.3	35.8	33.8
	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

Mechanical Properties	Operating Temperature Range	-15 to 75°C
	Max. Recommended Pulling Tension	1111N
	Min. Bend Radius (install)	54 mm
	Approximate Mass	3.4kg/100m

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Supply Information	Part Number	Length (metres)	Jacket Colour	Pack Type	Cartons Per Pallet
	UTPL5EBL305BW	305	Blue	Pull Box	45

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances

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