

LAN Cable



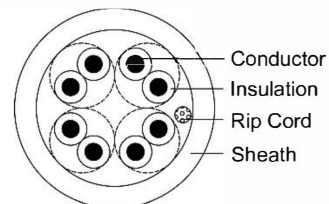
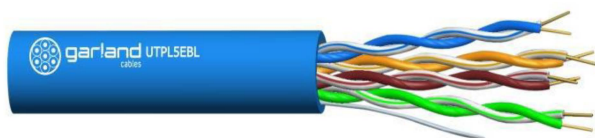
Part No: UTPL5E-W

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



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	Blue
	Nominal OD (mm)	5.3

Garland's Work Series range is the experts' choice for high quality cables.

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Electrical Properties

Max. Conductor DC Resistance @ 20°C	93.8 Ω/km1
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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(work) series

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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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