

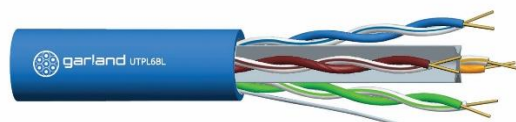
LAN Cable

(work) series

Part No: UTPL6-RBBW

Description	Solid 24AWG PACW, UTP, 4Pairs, Cross-web Separator, Rip Cord, PE Insulation, PVC Sheath.
Applicable Standards	ANSI/TIA 568-C.2, ISO/IEC 11801-2, AS/NZS 3080, AS/CA S-008, AS 1049
Suitable Applications	Used for horizontal and fixed wiring in Structured cabling and computer networks operating up to 1 Gbit on Class E links. Suitable for 10BaseT, 100BaseT and 1000BaseT Ethernet applications.

Images



See supply information table for full details of jacket colour options.
Image for illustration purposes only.



Construction

Conductor	Material	PACW
	Size	24AWG
Insulation	Stranding	Solid
	Pairs	4
	Material	HDPE
	Colour	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange Stripe, Brown/White-Brown Stripe
	Nominal Thickness (mm)	0.2
	Nominal OD (mm)	1
Filler	Material	Cross-web Separator, Rip Cord
Sheath	Material	PVC
	Colour	Refer to Packing Table
	Nominal OD (mm)	6.0

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	8.5 Ω /km
Max. DC Conductor resistance unbalanced	5%
Nominal Velocity of Propagation	64%
Characteristic Impedance(1-250MHz)	100 \pm 15 Ω
Nom. Mutual Capacitance @ 1KHz	56 pF/m
Max. Capacitance Unbalance @ 20°C	300 pF/100m

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	74.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	55.8	52.8
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	6.0	59.3	57.3	47.8	44.8
16.0	25.0	7.6	56.2	54.24	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.8	38.8
31.25	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100	20.0	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8

Mechanical Properties

Operating Temperature Range	-15 to 75°C
Max. Recommended Pulling Tension	126N
Min. Bend Radius (install)	65 mm
Approximate Mass	4.64kg/100m

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Supply Information	Part Number	Length (metres)	Jacket Colour	Pack Type	Carton/Box size	Boxes Per Pallet
	UTPL6BL305RBBW	305	Blue	Reel in a box	34 x 34 x 26 cm	39 or 26
UTPL6GY305RBBW	305	Grey	Reel in a box	34 x 34 x 26 cm	39 or 26	

- 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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