

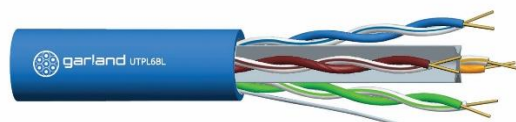
# LAN Cable

(work) series

## Part No: UTPL6-RBBW

<b>Description</b>	Solid 24AWG PACW, UTP, 4Pairs, Cross-web Separator, Rip Cord, PE Insulation, PVC Sheath.
<b>Applicable Standards</b>	ANSI/TIA 568-C.2, ISO/IEC 11801-2, AS/NZS 3080, AS/CA S-008, AS 1049
<b>Suitable Applications</b>	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

<b>Conductor</b>	Material	PACW
	Size	24AWG
<b>Insulation</b>	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
<b>Filler</b>	Material	Cross-web Separator, Rip Cord
<b>Sheath</b>	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 $\Omega$ /100m
Max. DC Conductor resistance unbalanced	5%
Nominal Velocity of Propagation	64%
Characteristic Impedance(1-250MHz)	100 $\pm$ 15 $\Omega$
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 x26 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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