

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.

Cable Construction Drawing

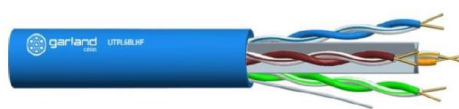
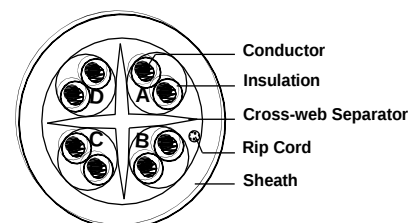


Image for illustration purposes only.
See packing table for full details of jacket colour options.



Cable Construction Relative Parts



Cable Description

Conductor	AWG	Stranding	Material
	24	Solid	PACW
Insulation	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		

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Sheath	Material: Colour : Nominal OD (mm):	PVC Refer to Packing Table 6.0
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Electrical Properties

Max. Conductor DC Resistance @ 20°C	8.5 Ω /km ¹
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

Frequency (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

¹ Oversized conductors used to achieve improved DCR.

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Mechanical Properties

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

Packing Table

SKU	Jacket Colour	Length (Metres)	Pack Type	Carton/Box Size (cm)	Reels or Pull Boxes per Pallet
UTPL6BL305RBBW	Blue	305	Reel in a box	34 x 34 x 27 cm	36 or 24

- 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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Sales Enquiries **1800 66 99 99**
www.garlandcables.com.au

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