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LAN Cable

## 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.

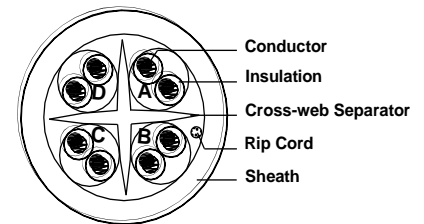
### Cable Construction Drawing



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 <sup>1</sup>
Max. DC Conductor resistance unbalanced	5%
Nominal Velocity of Propagation	64%
Characteristic Impedance(1-250MHz)	100±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

<sup>1</sup> 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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