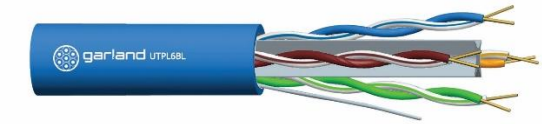
LAN Cable

Part No: UTPL6BL305RBCW

Communication / LAN / CAT6 - Cable

Description	Solid 24AWG PACW, UTP, 4Pairs, Cross-web Separator, Rip Cord, PE Insulation, PVC Sheath Category 6 cable.
Applicable Standards	ANSI/TIA 568-C.2, ISO/IEC 11801-2, AS/NZS 11801, AS/CA S-008, AS 1049, UL444
Suitable Applications	Used for horizontal and fixed wiring in Structured cabling and computer networks operating up 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	

Features

- Indoor Cable
- Flame Retardant
- For Security applications

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

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Construction		
Conductor	Material	PACW
	Size	24 AWG
	Stranding	Solid
Insulation	Material	HDPE
	Nos of Pairs	4
	Nominal OD (mm)	1.0
	Average Thickness (mm)	0.2
	Colour	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White - Orange Stripe, Brown/White-Brown Stripe
Filler	Material	Cross-web Separator, Rip cord
Sheath	Material	PVC
	Colour	Refer to Packing Table
	Nominal OD (mm)	5.8

Electrical Properties	
Max. Conductor DC Resistance @ 20°C	9.0 Ω/100m
Max. DC Conductor resistance unbalanced	5%
Nominal Velocity of Propagation	65%
Characteristic Impedance(1-250MHz)	100±15Ω
Nom. Mutual Capacitance @ 1KHz	56 pF/m
Max. Capacitance Unbalance @ 20°C	300 pF/100m

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Mechanical Properties	
Operating Temperature Range	0°C to 75°C
Max. Recommended Pulling Tension	100N
Min. Bend Radius (install)	65 mm
Approximate Mass	3.6kg/100m

Fire and Flame Properties	
Single Cable Flame Test	IEC 60332- 1
AS/NZS Classification	RFP 1

Transmission Properties (dB/ 100m, 20°C)										
Freq (MHz)	4.0	8.0	10.0	16.0	20.0	31.25	62.5	100	200	250
Min. RL	23.0	24.5	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3
Max. IL	3.8	5.3	6.0	7.6	8.5	10.7	15.4	19.8	29.0	32.8
Min. NEXT	65.3	60.8	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3
Min. PSNEXT	63.3	58.8	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3
Min. ELFEXT	55.8	49.7	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8
Min.PSELFEXT	52.8	46.7	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8

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Supply Information					
Part Number	Length (meters)	Jacket Colour	Pack Type	Carton/Box size	Boxes Per Pallet
UTPL6BL305RBCW	305	Blue	Reel in a box	34 x 34 x26 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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