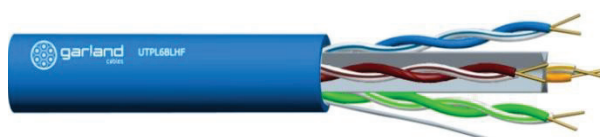


Part No: **UTPL6-W**

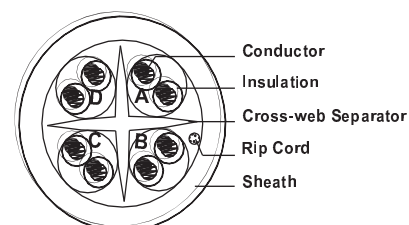
Description	Solid 23AWG PACW, UTP, 4 Pair, Cross-web Separator, Rip Cord, PE Insulation, PVC Sheath.
Applicable Standards	UL444, ANSI/TIA 568-C.2, ISO/IEC 11801, AS/NZS 3080, AS/CA S-008, AS 1049
Suitable Applications	Used in Structured cabling for computer networks operating up to 1 Gbit on Class E links. Suitable for 10BaseT, 100BaseT and 1000BaseT Ethernet applications.

Cable Construction Drawing



Jacket colour shown for illustration only.
Refer to "Supply Information" for available jacket colours

Cable Construction Relative Parts



Cable Description

Conductor	AWG	Stranding	Material
	23	Solid	PACW
Insulation	Pairs :	4	
	Material :	PE	
Insulation	Colour :	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange, Brown/White-Brown Stripe	
	Nominal OD (mm) :	1	
Filler	Material : Cross-web Separator , Rip Cord		
Sheath	Material :	PVC	
	Colour :	Refer to "Supply Information"	
	Nominal OD (mm) :	6.2	

Electrical Properties

Max. Conductor DC Resistance @ 20°C	7.32 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

Transmission Properties Properties

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	54.2	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.8	38.8
25.0	24.3	9.5	53.3	51.3	39.8	36.8
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	20.1	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	32.9	38.3	36.3	19.8	16.8

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Mechanical Properties

Operating Temperature Range	-15 to 75°C
Max. Recommended Pulling Tension	142N
Min. Bend Radius (install)	62mm
Approximate Mass	4.64kg/100m

Supply Information

SKU	Length	Colour	Carton Type	Cartons Per Pallet
UTPL6BL305RBW	305 metre	Blue	Reel-in-Box	1 x Small Pallet: 18 1 x Large Pallet: 27

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