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cables

pro series

Industrial / Power / Data / Security / Fibre

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

### Part No: UTPL6HF

Description	Solid 23AWG PACW, UTP, 4Pairs, Cross-web Separator, Rip Cord, PE Insulation, LSZH 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.

LAN Cable

#### Cable Construction Drawing

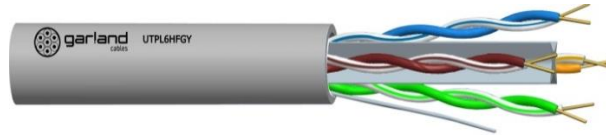
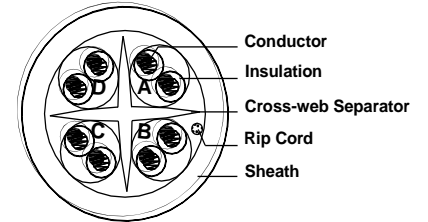


Image for illustration purposes only. See packing table for full details of jacket colour options.



#### Cable Construction Relative Parts



Cable Description					
Conductor	AWG	Stranding	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	23	1/0.56	0.25	0.56	PACW
Insulation	Pairs :	4			
	Material :	HDPE			
	Colour :	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange, 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 Thickness (mm) : Nominal OD (mm) :	LSZH Refer to Packing Table 0.5 6.2
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### Electrical Properties

Max. Conductor DC Resistance @ 20°C	7.3Ω/km
Max. DC Conductor resistance unbalanced	5%
Nominal Velocity of Propagation	64%
Characteristic Impedance(1-250MHz)	100±15Ω
Nom. Mutual Capacitance @ 1KHz	56 pF/m
Max. Capacitance Unbalance @ 20°C	330 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)	Max. PD (ns/100m, 20°C)	Max. PDS (ns/100m, 20°C)
1.0	20.0	2.0	74.3	72.3	67.8	64.8	570	45
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	545	45
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	538	45
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	536	45

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### Mechanical Properties

Operating Temperature Range	-15 to 70°C
Max. Recommended Pulling Tension	142N
Min. Bend Radius (install)	62mm
Approximate Mass	4.64kg/100m

### Packing Table

SKU	Jacket Colour	Length (Metres)	Pack Type	Carton/Box Size (cm)	Reels or Pull Boxes per Pallet
UTPL6HFBL305RBW	Blue	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFYE305BW	Yellow	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFOG305BW	Orange	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFVK305BW	Pink	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFRD305BW	Red	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFVT305BW	Violet	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFGN305BW	Green	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFGY305BW	Light Grey	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFWH305BW	White	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFBK305BW	Black	305	Reel in a box	38 x 38 x 32 cm	18 or 27

- 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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