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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

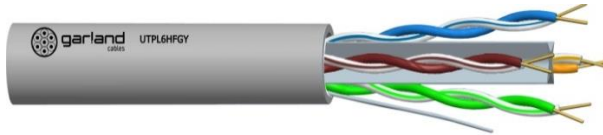
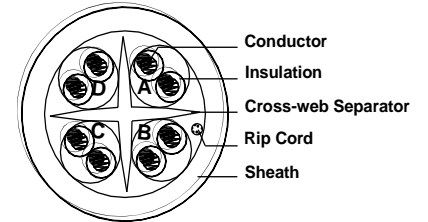


Image for illustration purposes only. See packing table for full details of jacket colour options.



Cable Construction Relative Parts



Cable Description					
Conductor	AWG	Stranding	Area(mm ²)	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	73 Ω/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
UTPL6HFBL305RB	Blue	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFYE305RB	Yellow	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFOG305RB	Orange	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFPAK305RB	Pink	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFRD305RB	Red	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFVT305RB	Violet	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFGN305RB	Green	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFGY305RB	Light Grey	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFWH305RB	White	305	Reel in a box	38 x 38 x 32 cm	18 or 27
UTPL6HFBK305RB	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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