pro series

Industrial / Power / Data / Security / Fibre

garland cables

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

LAN Cable

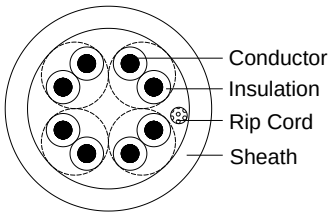
Part No: UTPL5EHF

Description	Solid 24AWG PACW, UTP, 4Pairs, PE Insulation, Rip Cord, LSZH Sheath.
Applicable Standards	UL444, ANSI/TIA 568-C.2, ISO/IEC 11801-2, AS/NZS 3080, AS/CA S-008, AS 1049, AS/CA S-008
Suitable Applications	Used for horizontal and fixed wiring in Structured cabling and computer networks operating up 100 Mbit on Class D links. Suitable for 10BaseT and 100BaseT 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	Standing	Area(mm^2)	Diameter(mm)	Material
	24	1/0.5	0.2	0.5	PACW
Insulation	Pairs : 4 Material : PE Colour : Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange, Brown/White-Brown Stripe Nominal Thickness (mm) : 0.2 Nominal OD (mm) : 0.9				
Filler	Material : Rip Cord				

pro series

Industrial / Power / Data / Security / Fibre

garland cables

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

Sheath	Material : LSZH Colour : See packing table for full colour options Nominal Thickness (mm) : 0.5 Nominal OD (mm) : 5.1

Electrical Properties

Max. Conductor DC Resistance @ 20°C	93.8Ω/km
Max. DC Conductor resistance unbalanced	5%
Min. Insulation Resistance @ 20°C	1000MΩ.km
Nom. Mutual Capacitance @ 1KHz	56Pf/m
Max. Capacitance Unbalance @ 20°C	330pF/100m
Nominal Velocity of Propagation	68%
Voltage Test : Conductor to Core	1.5kV ac/1min
Voltage Test : Core to Sheath	3.0kV ac/1min
Characteristic Impedance(1-100MHz)	100±15Ω
Max. Delay	538ns/100m @ 100MHz

Frequency (MHz)	0.772	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100
Min. RL (dB/100m, 20℃)	-----	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
Max. IL (dB/100m, 20℃)	1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
Min. NEXT (dB/100m, 20℃)	67.0	65.3	56.3	51.8	50.3	47.2	45.7	44.3	42.9	38.4	35.3
Min.PSNEXT (dB/100m, 20℃)	64.0	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
Min. ELFEXT (dB/100m, 20℃)	66.0	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
Min. PSELFEXT (dB/100m, 20℃)	63.0	60.8	48.8	42.7	40.8	36.7	34.7	32.8	30.9	24.9	20.8
Max. PD (ns/100m, 20℃)	-----	570	-----	-----	545	----	----	----	-----	----	538
Max. PDS (ns/100m, 20℃)	-----	45	-----	-----	45	----	----	----	-----	----	45

pro series

Industrial / Power / Data / Security / Fibre

garland cables

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

Mechanical Properties

Operating Temperature Range	-15 to 70℃
Max. Recommended Pulling Tension	111N
Min. Bend Radius (install)	54mm
Approximate Mass	3.4kg/100m

Packing Table

SKU	Jacket Colour	Length (Metres)	Pack Type	Carton/Box Size (cm)	Reels or Pull Boxes per Pallet
UTPL5EHFBL305BW	Blue	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFYE305BW	Yellow	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFOG305BW	Orange	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFPK305BW	Pink	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFRD305BW	Red	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFVT305BW	Violet	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFGN305BW	Green	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFGY305BW	Light Grey	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFWH305BW	White	305	Pull Box	37 x 37 x 19 cm	45
UTPL5EHFBK305BW	Black	305	Pull Box	37 x 37 x 19 cm	45

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances