DISTRIBUTED BY

LAN Cable

Part No: UTPL6HF

Communication / LAN / CAT6 - Cable

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 11801.1, AS/CA S-008, AS 1049
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

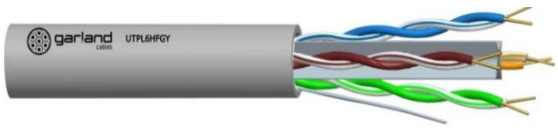
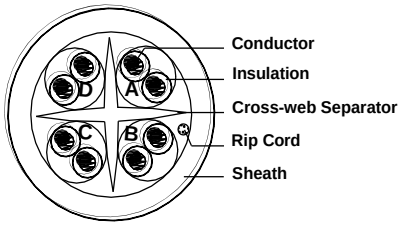


Image for Illustration purposes only.
See packing table for full details of jacket colour options.



Features

- Indoor Cable
- Flame Retardant
- LSZH

Construction

Conductor	Material	PACW
	Size	23 AWG
	Stranding	1/0.56

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

pro series

LAN Cable

DISTRIBUTED BY Express madison

Construction		
Conductor	Area (mm²)	0.25
	Diameter (mm)	0.56
Insulation	Material	HDPE
	Nos of Pairs	4
	Nominal OD (mm)	1
	Nominal Thickness (mm)	0.2
	Colour	Blue/White -Blue Stripe Green/White -Green Stripe Orange/White - Orange Brown/White Brown Stripe
Filler	Material	Cross-web Separator, Rip Cord
Sheath	Material	LSZH
	Colour	Refer to packing Tabel
	Nominal Thickness (mm)	0.5
	Nominal OD (mm)	6.2

Electrical Properties	
Max. Conductor DC Resistance @ 20°C	81Ω/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

Mechanical Properties	
Operating Temperature Range	-15 to 70°C
Max. Recommended Pulling Tension	142N

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

pro series

LAN Cable

DISTRIBUTED BY Express madison

Mechanical Properties	
Min. Bend Radius (install)	62mm
Approximate Mass	4.64kg/100m

Fire and Flame Properties	
Single Cable Flame Test	IEC 60332- 1
Light Transmittance	IEC 61034- 2 ≥ 60%
Acid Gas Generation	IEC 60754-1 & 2 HCL content ≤ 5mg/g (5%) pH ≥ 4.3 Conductivity ≤ 10 microS/mm
AS/NZS Classification	RHE 1

Transmission Table (dB/100m,20°C)

Freq (MHz)	4.0	10.0	16.0	20.0	31.25	62.5	100	200	250
Min. RL	23.0	25.0	25.0	25.0	23.6	21.5	20.0	18.0	17.3
Max. IL	3.8	6.0	7.6	8.5	10.7	15.4	19.8	29.0	32.8
Min. NEXT	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3
Min.PSNEXT	63.3	57.3	54.24	52.8	49.9	45.4	42.3	37.8	36.3
Min. ELFEXT	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8
Min. PSELFEXT	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8
Max.PD (ns/100m, 20°C)	-----	545	-----	-----	-----	-----	538	-----	536
Max. PDS (ns/100m, 20°C)	-----	45	-----	-----	-----	-----	45	-----	45

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

pro series

LAN Cable

DISTRIBUTED BY Express madison

Supply Information					
SKU	Jacket Colour	Length (Meters)	Pack Type	Carton/Box Size (cm)	Reels or Pull Boxes per Pallet
UTPL6HFBL305RBA	Blue	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFYE305RBA	Yellow	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFOG305RBA	Orange	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFPK305RBA	Pink	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFRD305RBA	Red	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFVT305RBA	Violet	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFGN305RBA	Green	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFGY305RBA	Light Grey	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFWH305RBA	White	305	Reel in a box	34 x 34 x 27cm	24 or 36
UTPL6HFBK305RBA	Black	305	Reel in a box	34 x 34 x 27cm	24 or 36

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

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

pro series