

# LAN Cable

**Part No:** UTPL6JFSWANYA

## Communication / LAN / CAT6 - Cable

<b>Description</b>	Solid 23AWG PACW, UTP, 4 Twisted Pairs, PE Insulation, Cross-Web Water Resistant Flooding Compound, PE Bedding, SWA & PE Sheath, Nylon Outer Sheath.
<b>Applicable Standards</b>	AS/CA S008, TIA/EIA 568D,
<b>Suitable Applications</b>	For communication network applications needing up to gigabit networking speeds. Not intended for direct connection to mains power

### Images

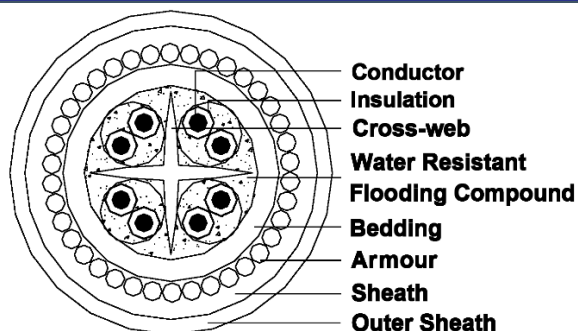


Image for Illustration purposes only.



### Features

- Outdoor Cable
- Termite Resistant
- Water Blocked/Underground
- Rodent Resistant
- UV Stabilized
- Armoured

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

pro series

# LAN Cable

Construction		
Conductor	Material	PACW
	Size	23 AWG
	Stranding	1/0.582
Conductor	Area	0.27 mm <sup>2</sup>
	Diameter	0.582 mm
Insulation	Pairs	4
	Material	PE
	Colour	Blue/White-Blue Stripe, Green/White-Green Stripe Orange/White-Orange Stripe, Brown/White-Brown Stripe
	Nominal OD (mm)	1.05
Filler	Material	Cross-web Separator
	Material	Water Resistant Flooding Compound
Bedding	Material	PE
	Colour	Black
	Nominal Thickness (mm)	1.2
	Nominal OD (mm)	7.8
Armour	Material	SWA
	Coverage	>90%
Sheath	Material	PE
	Colour	Black
	Nominal Thickness (mm)	1.0
	Nominal OD (mm)	10.9
Outer Sheath	Material	Nylon
	Colour	Black
	Nominal Thickness (mm)	0.45
	Nominal OD (mm)	11.8

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

pro series

# LAN Cable

## Electrical Properties

Max. Conductor DC Resistance @ 20°C	73.9Ω/km
Max. DC Conductor resistance unbalanced	5%
Min. Insulation Resistance @ 20°C	10,000 MΩ.km
Nom. Mutual Capacitance @ 1KHz	56pF/m
Max. Capacitance Unbalance @ 20°C	330pF/100m
Nominal Velocity of Propagation	68%
Voltage Test: Conductor to Core	2.0kV a.c./lmin
Voltage Test: Core to Sheath	4.5kV a.c./lmin
Characteristic Impedance(1-250MHz)	100±15Ω

## Mechanical Properties

Temperature Range	Installation	-20 to 70°C
	Operating (Fixed Install)	-40 to 70°C
Max. Recommended Pulling Tension	150 N	
Min. Bend Radius (install)	140 mm	
Approximate Mass	19.8 kg/100m	

## Transmission Performance (dB/100m @ 20°C)

Frequency (MHz)	4.0	10.0	16.0	20.0	25.0	31.25	62.5	100	200	250
RL	23.0	25.0	25.0	25.0	24.32	23.64	21.54	21.11	18.00	17.32
IL	3.78	5.95	7.55	8.47	9.5	10.67	15.38	19.8	28.95	32.85
NEXT	65.27	59.3	56.24	54.78	53.33	51.88	47.36	44.3	39.78	38.33
PSNEXT	62.27	57.3	54.24	52.78	51.33	49.88	45.36	42.3	37.78	36.33
ELFEXT	55.76	47.8	43.72	41.78	39.84	37.9	31.88	27.8	21.78	19.84
PSELFEXT	52.76	44.8	40.72	38.78	36.84	34.9	28.84	24.8	18.78	16.84
LCL	40	40	38	3	36	35.1	32	30	27.0	26.0

UTPL6JFSWANYA-241010

# LAN Cable

## Transmission Performance (dB/100m @ 20°C)

Frequency (MHz)	4.0	10.0	16.0	20.0	25.0	31.25	62.5	100	200	250
PD (nsec/100m)	***	545.38	***	***	***	***	***	537.6	***	536.28
PDS (nsec/100m)	***	45	45	45	45	45	45	45	45	45

## Supply Information

Product No	Pack Type	Pack Size	Dimensions	Reels Per Pallet
UTTPL6JFSWANYA500	Wooden Reel	500m	W65 x H51cm	TBA

- 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