

# LAN Cable

**Part No:** UTPL6JF

## Communication / LAN / CAT6 - Cable

<b>Description</b>	Solid 23AWG PACW, UTP, 4Pairs, Cross-web Separator, PE Insulation, Water Resistant Flooding Compound, UV Stabilized PE Sheath.
<b>Applicable Standards</b>	UL444, TIA/EIA 568 C.2, AS/CA S008, IEC60794-1-2-F5B
<b>Suitable Applications</b>	For communication network applications needing up to gigabit networking speeds.

### Images

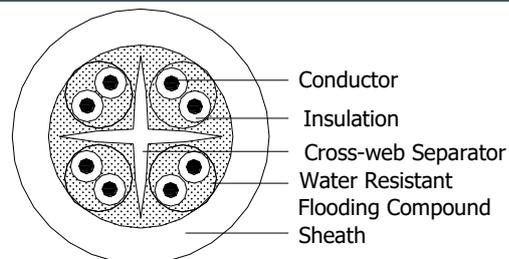
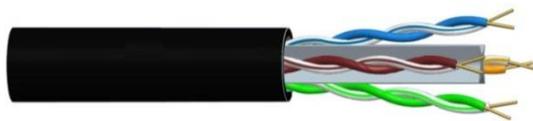


Image for Illustration purposes only.



### Features

- Outdoor Cable
- Water Blocked/Underground
- UV Stabilized

### Construction

<b>Conductor</b>	Material	PACW
	Size	23 AWG
	Area (mm <sup>2</sup> )	0.255

UTPL6JF-250131

# LAN Cable

## Construction

Insulation	Stranding	1/0.57
	Diameter (mm)	0.57
	Material	PE
	Nos of Pairs	4
	Nominal OD (mm)	1.0
	Nominal Thickness (mm)	0.2
	Colour	Blue/White-Blue Stripe, Green/White-Green Stripe. Orange/White Orange Stripe Brown/White-Brown Stripe.
Filler	Material	Cross-web separator
	Material	Water resistant Flooding Compound
Sheath	Material	PE - UV Stabilized
	Colour	Black
	Nominal Thickness (mm)	1.0
	Nominal OD (mm)	7.3

## Electrical Properties

Max. Conductor DC Resistance @ 20°C	73.16Ω/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
Max. Propagation Delay Skew	45 ns/100m
Voltage Test: Core to Core	1.5 kV ac/1min
Voltage Test: Core to Sheath	3.0 kV ac/1min

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

pro series

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## Mechanical Properties

Operating Temperature Range	-25 to 70°C
Max. Recommended Pulling Tension	143N
Min. Bend Radius (install)	73mm
Approximate Mass	5.54kg/100m

## 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	23.01	25.0	25.0	25.0	24.32	23.64	21.54	21.11	21.0
Max. IL	3.78	5.95	7.55	8.47	9.5	10.67	15.38	19.8	-----
Min. NEXT	65.27	59.3	56.24	54.78	53.33	51.88	47.36	44.3	-----
Min. PSNEXT	62.27	57.3	54.24	52.78	51.33	49.88	45.36	42.3	-----
Min. ELFEXT	55.76	47.8	43.72	41.78	39.84	37.9	31.88	27.8	-----
Min. PSELFEXT	52.76	44.8	40.72	38.78	36.84	34.9	62.5	24.8	-----
Max. PD (ns/100m, 20°C)	40	40	38	37	36	35.1	32.0	30.0	-----
Max. PDS (ns/100m, 20°C)	-----	545	-----	-----	-----	-----	-----	538	-----
Min. TCL (dB)	40	40	38	37	35.1	32.0	30.0	27.0	26.0
Min. ELTCTL (dB)	23.0	15.0	10.9	9.0	5.5	***	***	***	***

- 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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