

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

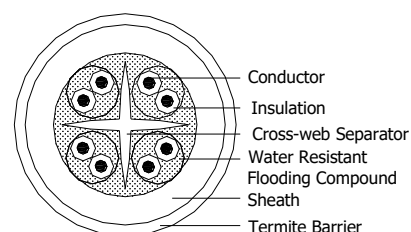
Part No: **UTPL6JFNY**

Description	Solid 23AWG PACW, UTP, 4 Twisted Pairs, Cross-web Separator, PE Insulation, Water Resistant Flooding Compound, UV stabilized PE Sheath, UV stabilized Nylon Termite Barrier.
Applicable Standards	AS/CA S008, TIA/EIA 568 C.2, IEC60794-1-2-F5B
Suitable Applications	For communication network applications needing up to gigabit networking speeds. Suitable for direct burial. Not intended for direct connection to mains power

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description

	AWG	Area(mm ²)	Stranding	Diameter(mm)	Material
Conductor	23	0.255	1/0.555	0.555	PACW

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Insulation	Pairs :	4
	Material :	PE
	Colour :	Blue/White-Blue Stripe, Orange/White-Orange Stripe, Green/White-Green Stripe, Brown/White-Brown Stripe
	Nominal OD (mm) :	1.015
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
Termite Barrier	Material :	PA12 – UV Stabilized
	Colour :	Black
	Nominal Thickness (mm) :	0.4
	Nominal OD (mm) :	8.1

Physical Characteristics

Insulation :

Elongation at Break Before Aging	≥300%
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Sheath :

Elongation at Break Before Aging	≥400%
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Termite Barrier :

Elongation at Break Before Aging	≥280%
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Tensile Strength Before Aging	≥30MPa
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Electrical Properties

Max. Conductor DC Resistance @ 20°C	73.9Ω/km
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Max. DC Conductor resistance unbalanced	5%
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Min. Insulation Resistance @ 20°C	10,000 MΩ.km
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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 ac/1min				
Voltage Test : Core to Sheath					4.5kV ac/1min				
Characteristic Impedance(1-100MHz)					100±15Ω				
dB/100m 20°C									
MHz	RL	IL	NEXT	PSNEXT	ELFEXT	PSELFEXT	LCL	PD	PDS
0.150	***	***	86.7	84.7	***	***	***	***	***
0.772	***	1.8	76.0	74.0	70.0	67.0	***	***	***
1.0	20.0	2.03	74.3	72.3	67.8	64.8	40	570	45
4.0	23.01	3.78	65.27	62.27	55.76	52.76	40	***	***
8.0	24.52	5.32	60.75	58.75	49.74	46.74	40	***	45
10.0	25.0	5.95	59.3	57.3	47.8	44.8	40	545.38	45
16.0	25.0	7.55	56.24	54.24	43.72	40.72	38	***	45
20.0	25.0	8.47	54.78	52.78	41.78	38.78	37	***	45
25.0	24.32	9.5	53.33	51.33	39.84	36.84	36	***	45
31.25	23.64	10.67	51.88	49.88	37.9	34.9	35.1	***	45
62.5	21.54	15.38	47.36	45.36	31.88	28.84	32	***	45
100.0	21.11	19.8	44.3	42.3	27.8	24.8	30	537.6	45
155	21.00	***	***	***	***	***	***	***	***
200	18.00	28.95	39.78	37.78	21.78	18.78	27.0	***	45
250	17.32	32.85	38.33	36.33	19.84	16.84	26.0	536.28	45

Mechanical Properties

Operating Temperature Range	-30 to 70°C
Max. Recommended Pulling Tension	135N
Min. Bend Radius (install)	81mm
Approximate Mass	6.7kg/100m

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Sales Enquiries 1800 66 99 99
www.garlandcables.com.au

UTPL6JFNY-180208





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pro series

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Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
305m	Wooden Reel	W40 x 26.8m		

- 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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