

LAN Cable

pro series

Part No: UTPL6JF

Description Solid 23AWG PACW, UTP, 4Pairs, Cross-web Separator, PE Insulation, Water Resistant Flooding Compound, PE Sheath.

Applicable Standards UL444, TIA/EIA 568 C.2, AS/ACIF S008, IEC60794-1-2-F5B

Suitable Applications For communication network applications including needing up to gigabit networking speeds.

Images

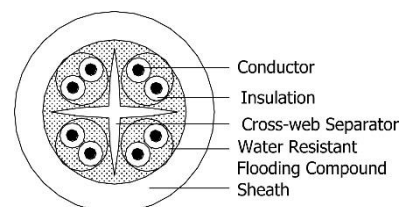


Image for illustration purposes only.



Construction

Conductor	Material	PACW
	Size	23 AWG
	Stranding	1/0.57
	Area	0.255 mm ²
	Diameter	0.57mm
Insulation	Pairs	4
	Material	PE
	Colour	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange Stripe, Brown/White-Brown Stripe.
	Nominal Thickness (mm)	0.2
	Nominal OD (mm)	1.0
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

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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

Transmission Properties

Freq. (MHz)	Min. RL (dB/ 100m, 20°C)	Max. IL (dB/ 100m, 20°C)	Min. NEXT (dB/ 100m, 20°C)	Min. PSNEXT (dB/ 100m, 20°C)	Min. ACRFEXT (dB/ 100m, 20°C)	Min. PS ACRFEXT (dB/ 100m, 20°C)	Max. PD (ns/ 100m, 20°C)
1.0	20	2.03	74.3	72.3	67.8	64.8	570
4.0	23.01	3.78	65.27	62.27	55.76	52.76	-----
8.0	24.52	5.32	60.75	58.75	49.74	46.74	-----
10.0	25.0	5.95	59.3	57.3	47.8	44.8	545
16.0	25.0	7.55	56.24	54.24	43.72	40.72	-----
20.0	25.0	8.47	54.78	52.78	41.78	38.78	-----
25.0	24.32	9.5	53.33	51.33	39.84	36.84	-----
31.25	23.64	10.67	51.88	49.88	37.9	34.9	-----
62.5	21.54	15.38	47.36	45.36	31.88	28.88	-----
100	21.11	19.8	44.3	42.3	27.8	24.8	538
155	21.0	-----	-----	-----	-----	-----	-----
200	18.0	28.98	39.78	37.78	21.78	18.78	-----
250	17.32	32.85	38.33	36.33	19.84	16.84	536

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UTPL6JF-210427

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Mechanical Properties	Operating Temperature Range	-25 to 70°C
	Max. Recommended Pulling Tension	140N
	Min. Bend Radius (install)	75mm
	Approximate Mass	5.6 kg/100m

Supply Information	Part Number	Colour	Pack Size	Pack Type	Dimensions
	UTPL6JFBK305	Black	305m	Wooden Reel	F36 x W26 cm

- 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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