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

# Composite Cable

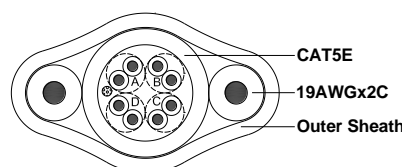
## Part No: UTPL5ECOM24

Description	Composite cable consisting of a Category 5E cable and 2 x 19 AWG PVC insulated cores in an overall PVC jacket. UTPL5E : Solid 24AWG PACW, UTP, 4 Twisted Pairs, PE Insulation, Rip Cord, PVC Sheath. 19AWG x 2 Cores : Stranded PACW, 2 Cores, PVC Insulated. PVC Outer Sheath.
Applicable Standards	AS/CA S008, EIA/TIA 568-C.2, ISO/IEC 11801, AS 1049, AS3808
Suitable Applications	For Data Transmission & Low Voltage Power Connection. Not intended for direct connection to mains power

### Cable Construction Drawing



### Cable Construction Relative Parts



### Cable Description

UTPL5E :

Conductor	AWG	Area(mm <sup>2</sup> )	Stranding	Diameter(mm)	Material
	24	0.2	1/0.5	0.5	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 Thickness (mm) :	0.2
	Nominal OD (mm) :	0.92
Filler	Material :	Rip Cord
Sheath	Material :	PVC
	Colour :	Blue
	Nominal Thickness (mm) :	0.6
	Nominal OD (mm) :	5.4

19AWG x 2 Cores :

Conductor	AWG	Area(mm <sup>2</sup> )	Stranding	Diameter(mm)	Material
	19	0.75	24/0.2	1.13	PACW

Insulation	Cores :	2
	Material :	PVC
	Colour :	Black, Red
	Nominal Thickness (mm) :	0.75
	Nominal OD (mm) :	2.7
Outer Sheath	Material :	PVC
	Colour :	Black
	Nominal Thickness (mm) :	0.7
	Nominal OD (mm) :	7.0 x 12.4

### Electrical Properties

**UTPL5E :**

Max. Conductor DC Resistance @ 20°C	96.0Ω/km
Min. Insulation Resistance @ 20°C	1,000MΩ.km
Voltage Test : Core to Core	1.5kV ac/1min
Voltage Test : Core to Sheath	3.0kV ac/1min

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Frequency (MHz)	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100
Min. SRL (dB/100m, 20°C)	23.0	23.0	23.0	23.0	23.0	23.0	22.0	21.0	18.0	16.0
Min. RL (dB/100m, 20°C)	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
Max. IL (dB/100m, 20°C)	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
Min. NEXT (dB/100m, 20°C)	65.3	56.3	51.8	50.3	47.2	45.7	44.3	42.9	38.4	35.3
Min. PSNEXT (dB/100m, 20°C)	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
Min. ELFEXT (dB/100m, 20°C)	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
Min. PSELFEXT (dB/100m, 20°C)	60.8	48.8	42.7	40.8	36.7	34.7	32.8	30.9	24.9	20.8
Max. PD (ns/100m, 20°C)	570	-----	-----	545	-----	-----	-----	-----	-----	538
Max. PDS (ns/100m, 20°C)	45	-----	-----	45	-----	-----	-----	-----	-----	45

**19AWG x 2 Cores :**

Max. Conductor DC Resistance @ 20°C 29.1 Ω/km

Voltage Test: Core to Core 2.0 kV ac/1min

**Mechanical Properties**

Operating Temperature Range -15 to 80°C

Max. Recommended Pulling Tension 206N

Min. Bend Radius (install) 70mm

Approximate Mass 10.1kg/100m

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### Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
100m	Wooden Reel	W30 x H21.8cm	1R	
250m	Wooden Reel	W40 x H27.4cm	1R	

- 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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