

Composite Cable

Part No: UTPL5ECOM24

Security / Composite

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

Images

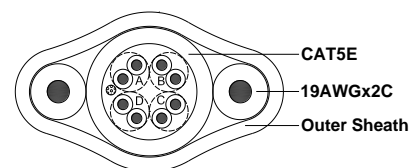


Image for Illustration purposes only.



Features

- Indoor Cable
- Green Star Compliant

Cable Description

UTPL5E

Conductor	Material	PACW
		Size

UTPL5ECOM24-240411

Composite Cable

Cable Description

UTPL5E

Conductor	Stranding	1/0.5
	Area (mm ²)	0.2
	Diameter (mm)	0.5
Insulation	Material	PE
	Nos of Pairs	44
	Nominal OD (mm)	0.92
	Nominal Thickness (mm)	0.2
	Colour	Blue/White-Blue Stripe, Orange/White-Orange Stripe, Green/White-Green Stripe, Brown/White Brown Stripe
Filler	Material	Rip cord
	Material	PVC
Sheath	Colour	Blue
	Nominal Thickness (mm)	0.6
	Nominal OD (mm)	5.4
	19AWG X 2 Cores	
Conductor	Material	PACW
	Size	19 AWG
	Stranding	24/0.2
	Diameter(mm)	1.13
	Area (mm ²)	0.75
Insulation	Material	PVC
	Nos of Pairs	2
	Nominal OD (mm)	2.7
	Nominal Thickness (mm)	0.75
	Colour	Black, Red
Overall Sheath		
Outer Sheath	Material	PVC
	Colour	Black

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

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Composite Cable

Cable Description

Overall Sheath

Outer Sheath	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

Transmission Table (dB/100m, 20°C)

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

Composite Cable

Mechanical Properties

Operating Temperature Range	-15 to 80°C
Max. Recommended Pulling Tension	206N
Min. Bend Radius (install)	70mm
Approximate Mass	10.1kg/100m

Supply Information

Part No.	Jacket Colour	Pack Size	Pack Type	Dimensions	Qty Per Carton
UTPL5ECOM24250	Black	250 m	Wooden Reel	W 40 x H 28 cm	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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