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cables

Industrial / Power / Data / Security / Fibre

LAN Cable

Part No: UTPL5E-W

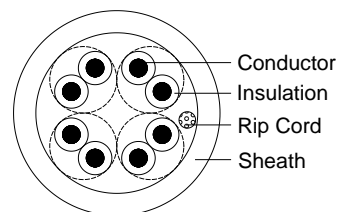
Description	Solid 24AWG PACW, UTP, 4 Pairs, PE Insulation, Rip Cord, PVC Sheath, UL Listed Cat5E cable.
Applicable Standards	UL444, ANSI/TIA 568-C.2, ISO/IEC 11801, AS/NZS 3080, AS/CA S-008, AS 1049
Suitable Applications	Used in Structured cabling for computer networks operating up to 100 Mbit on Class D links. Suitable for 10BaseT and 100BaseT Ethernet applications.

Cable Construction Drawing



Jacket colour for illustration only.
Refer to "Supply Information" for available jacket colours.

Cable Construction Relative Parts



Cable Description

Conductor	AWG	Stranding	Material
	24	Solid	PACW
Insulation	Pairs :	4	
	Material :	PE	
	Colour :	Blue/White-Blue Stripe, Green/White-Green Stripe, Orange/White-Orange, Brown/White-Brown Stripe	
	Nominal OD (mm) :	0.9	
Filler	Material :	Rip Cord	
Sheath	Material :	PVC	
	Colour :	Refer to "Supply Information"	
	Nominal OD (mm) :	5.3	

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Electrical Properties	
Max. Conductor DC Resistance @ 20°C	93.8Ω/km
Max. DC Conductor resistance unbalanced	5%
Max. Mutual Capacitance @ 1KHz	56 pF/m
Max. Capacitance Unbalance @ 20°C	330 pF/100m
Nominal Velocity of Propagation	68%
Characteristic Impedance(1-100MHz)	100±15Ω
Max. Delay	538ns/100m @ 100MHz

Transmission Properties										
Frequency (MHz)	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100
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	41.8	36.7	34.7	33.8	30.9	24.9	20.8

Mechanical Properties	
Operating Temperature Range	-15 to 75°C
Max. Recommended Pulling Tension	111N
Min. Bend Radius (install)	54mm
Approximate Mass	3.4kg/100m

Supply Information				
SKU	Length	Colour	Carton Type	Cartons Per Pallet
UTPL5EBL305BW	305 metre	Blue	Pull Box	45

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