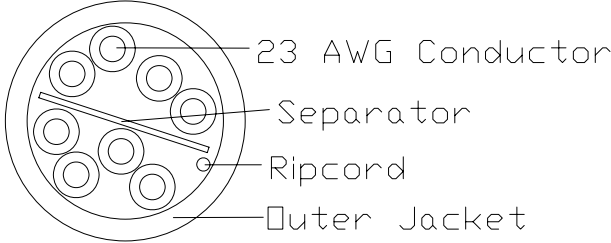



Product Specification Sheet

Catalog Number: 24-4P-P-L6-EN

Construction Detail	Product Illustration
 <p>23 AWG Conductor Separator Ripcord Outer Jacket</p>	
Physical Construction	Description
<p>Component 1: Unshielded Twisted Pair (UTP) 23 AWG solid bare copper conductors 3 pair: FEP insulation: .008-inch nominal thickness 1 pair: Polyolefin Insulation: .008-inch nominal thickness</p>	<p>Plenum rated UTP cable for high speed data transmission, LAN, and voice applications. Tested to 550 MHz and verified Category 6.</p>
	Color Code
	<p>Pair 1: Blue/White-White/Blue Pair 2: Orange/White-White/Orange Pair 3: Brown/White-White/Brown Pair 4: Green/White-White/Green</p>
	Electrical Specifications
	<p>23 AWG: DCR: 27.13 Ω per 1000 feet Capacitance: 14.0 pF per foot Voltage: 300 Volts RMS Impedance: 100 $\Omega \pm 15 \Omega$ VOP: 72% Propagation delay skew: 45ns/100m Temperature: -10°C to 60°C See Page 2 for Category 6 specifications</p>
<p>Final assembly: 2 of component 1 per side of a 2-way PE separator (2x2pair) cabled in a 3-inch lay length Nylon ripcord run under the jacket PVC jacket: .015-inch nominal thickness Final construction: .215-inch nominal OD Product Print Legend: LWC UTP CAT 6E TESTED TO 550 MHZ E105765 TYPE CMP (UL) C(UL) 4PR/23 AWG (UL) VERIFIED TO TIA/EIA-568-B.2-1 CAT 6e {DATE CODE} MADE IN USA Sequential footmarks are applied in conjunction with the print legend.</p>	Regulatory Specifications
	<p>(UL) rated CMP C(UL) rated CMP ANSI/TIA/EIA 568B.2.1 Cat 6 ANSI/ICEA S-102-700 Cat 6</p>
Specification Control	Product Information
<p>Revision Date: 04/19/2006</p> <p>Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.</p>	<p>Jacket Colors: Black, Blue, Green, White, Yellow</p> <p>Packaging: 1000 foot reels, 1000 foot reel-in-box dispensers</p> <p>Special Instructions: Plenum wire should be conditioned for 24 hours at room temperature prior to installation and never installed below 0°C ambient temperature</p>

Form Revision Date: 04/15/2004

Product Specification Sheet

Catalog Number: 24-4P-P-L6-EN

Category 6 UTP specifications

FREQ (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACR (dB/100m)	PSACR (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	RL (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.0	75.3	73.3	73.3	71.3	68.8	65.8	20.0
4	3.8	66.3	64.3	62.5	60.5	56.8	53.8	23.0
10	5.9	60.3	58.3	54.4	52.4	48.8	45.8	25.0
16	7.5	57.3	55.3	49.8	47.8	44.7	41.7	25.0
20	8.4	55.8	53.8	47.4	45.4	42.8	39.8	25.0
31.25	10.6	52.9	50.9	42.3	40.3	38.9	37.8	23.6
62.5	15.3	48.4	46.4	33.1	31.1	32.9	29.9	21.5
100	19.7	45.3	43.3	25.6	23.6	28.8	25.8	20.1
200	28.8	40.8	38.8	12.0	10.0	22.8	19.8	18.0
250	32.7	39.3	37.3	6.6	4.6	20.8	17.8	17.3
350	39.5	37.1	35.1	NS	NS	17.9	14.9	16.3
450	45.6	35.5	33.5	NS	-12.1	15.7	12.7	15.5
550	51.2	34.2	32.2	NS	NS	14.0	11.0	14.9

Form Revision Date: 04/15/2004



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