

TECHNICAL SPECIFICATIONS

L6UZC

Features:

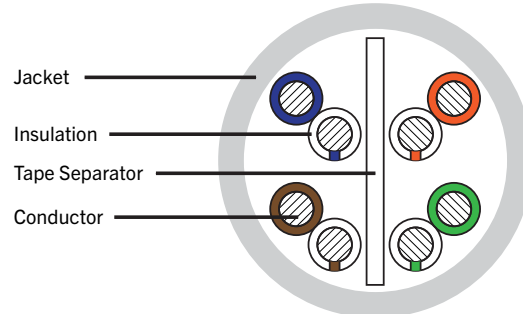
- IEC 61156-5 Category 6 (550 MHz)
- ISO/IEC 11801 Class E
- LSZH CPR Euroclass Cca
- Made in the EU

Part Number: L6UZC WH 1 BX

Base Colour Length Put Up

See Complete Part Number Legend & Example Below

4 Twisted Pair Cable



Drawings not to Scale

Pair Identification:

Pair 1	Blue/White with coextruded Blue stripe
Pair 2	Orange/White with coextruded Orange stripe
Pair 3	Green/White with coextruded Green stripe
Pair 4	Brown/White with coextruded Brown stripe

Mechanical Specification:

Copper Size	24 AWG
Diameter Over Conductor	1.041 mm
Nominal Jacket OD	5.715mm
Nominal Jacket Thickness	.5588mm
Jacket Minimum Spot Thickness	.4064mm
Installation Temperature	0°C to 60°C
Operation Temperature	-20°C to 60°C

Safety Performance:

	EN50575 CPR EuroClass	Added IEC Tests
Fire Performance	Cca	IEC 60332-1-2
Smoke Rating	s1	EN 61034-2
Droplets Rating	d1	-
Acidity Rating	a1	EN 60754-2

Part # Legend: (Example: White, 305m, Box = **L6UZCWH1BX**)

L	6	U	Z	C	WH	1	BX
Liberty	Category	Construction	LSZH	CPR Class	Colour Code	305 meters	Package

Construction	
UTP	U

Colour Legend			
White	WH	Orange	OR
Black	BK	Violet	VI
Blue	BL	Red	RD
Green	GN	Yellow	YL
Gray	GY		

Package Legend	
Box	BX
Reel	RL



Electrical Performance:

FREQ (MHz)	INSERTION LOSS (dB/100m) MAXIMUM	NEXT (dB/100m) MINIMUM	ACR (dB/100m) MINIMUM	PSNEXT (dB/100m) MINIMUM	PSACR (dB/100m) MINIMUM	ACRF (dB/100m) MINIMUM	PSACRF (dB/100m) MINIMUM	DELAY (ns/100m) MINIMUM	RL (dB/100m) MINIMUM
1.0	2.0	75.3	73.3	72.3	70.3	67.8	64.8	570.0	20.0
4.0	3.8	66.3	62.5	63.3	59.5	55.8	52.8	552.0	23.0
8.0	5.3	61.8	56.4	58.8	53.4	49.7	46.7	546.7	24.5
10.0	6.0	60.3	54.3	57.3	51.3	47.8	44.8	545.4	25.0
16.0	7.6	57.2	49.7	54.2	46.7	43.7	40.7	543.0	25.0
20.0	8.5	55.8	47.3	52.8	44.3	41.8	38.8	542.0	25.0
25.0	9.5	54.3	44.8	51.3	41.8	39.8	36.8	541.2	24.3
31.3	10.7	52.9	42.2	49.9	39.2	37.9	34.9	540.4	23.6
62.5	15.4	48.4	33.0	45.4	30.0	31.9	28.9	538.6	21.5
100.0	19.8	45.3	25.5	42.3	22.5	27.8	24.8	537.6	20.1
155.0	25.2	42.4	17.3	39.4	14.3	24.0	21.0	536.9	18.8
200.0	29.0	40.8	11.8	37.8	8.8	21.8	18.8	536.5	18.0
250.0	32.8	39.3	6.5	36.3	3.5	19.8	16.8	536.3	17.3
300.0	36.4	33.1	-	31.1	-	18.3	15.3	536.1	16.8
350.0	39.8	32.1	-	30.1	-	16.9	13.9	535.9	16.3
400.0	43.0	31.3	-	29.3	-	15.8	12.8	535.8	15.9
450.0	46.0	30.5	-	28.5	-	14.7	11.7	535.7	15.5
500.0	48.9	29.8	-	27.8	-	13.8	10.8	535.6	15.2
550.0	51.8	29.2	-	27.2	-	13.0	10.0	535.5	14.9

(All tests include swept frequency measurements)

(Values above 250 MHz are for information purposes only)

Capacitance	5.6 nF/100m nominal
DC Resistance/Unbalance	9.38 ohms/100m Max/ 2.5% Max
Dielectric Breakdown	2500 Volts DC Conductor to Conductor
Propagation Delay Skew	≤ 45 ns/100m
Nominal Velocity of Propagation, NVP	69%
Segregation Class	B