

**CATEGORY 5E LSZH CABLE, 4 PAIR, UTP**

**Description:**

CAT5E LOW SMOKE ZERO HALOGEN-  
 350 MHz 24 AWG SOLID BC, 4PR, UTP,  
 ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS D,  
 EN50575:2014 Dca-s1,d1,a1, LSZH JKT -  
 1000FT/305M BOX

**Part Number:**

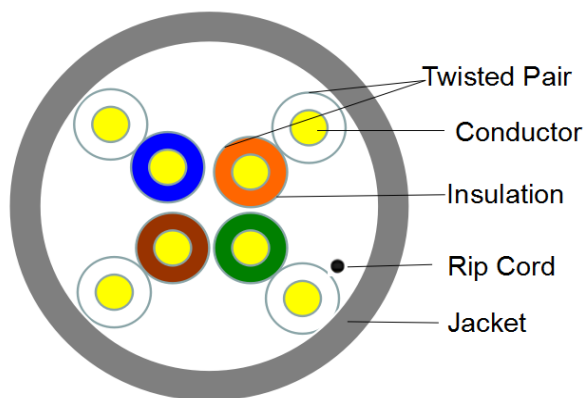
CAT5E-BL-LSZH  
 CAT5E-GY-LSZH  
 CAT5E-WT-LSZH

**Jacket Color:**

Blue  
 Gray  
 White

**Regulatory:**

ANSI/TIA 568.2-D and ISO/IEC 11801 Class D  
 EU RoHS 2011/65 EU Compliant  
 IEC 60332-1-2  
 EN50575:2014 REACTION TO FIRE CLASS Dca-s1,d1-a1



**Application:**

Networking Lan Cable  
 Low Voltage Cable - Telecommunication power limited

**Construction Characteristics:**

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.49+/-0.004mm
Insulation	Material	HDPE
	Min.Thickness	0.188mm
	AVG.Thickness	0.205mm
	Diameter	0.9+/-0.01mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Jacket	Material	LSZH
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	5.10+/-0.10mm
	Rip Cord	Nylon
	Color	Per request
Bend Radius	Min 15D/80mm	

**Electrical & Physical Characteristics:**

Operating Temperature Range		- 20°C + 75°C	
Minimum Installation Temperature		0°C + 40°C	
Conductor Resistance		Max 93.8 ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Insulation	Unaged	Tensile Strength	16.5Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength	11.3Mpa
		Elongation	100%
	Aged	Tensile Strength	8.5Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
Rated Voltage Insulated/Operating		Max 300V/80V	
DC Resistance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km	
Characteristic Impedance		100+/-15OHM	
Nominal Velocity of Propagation(%)		67~69	
Propagation Delay		Max 536ns/100m	
Delay Skew		Max 45ns/100m	

**Marking:**

STRUCTURED CABLE PRODUCTS ---CAT5E LSZH--- CAT5E ENHANCED 350MHZ UTP ANSI/TIA-568.2-D ISO/IEC 11801 CLASS D  
 4PR 24AWG SOL BC - LSZH JKT EN50575:2014 CE Dca-s1,d1,a1 EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 \*\*\*M

**Packaging:**

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
10.2kgs/22.487lbs	350X260X350	1000ft/ Box	36

## Performance

ITEM Frequency	Attenuation Max	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT	PSACR Min (dB)
1	2	65.3	62.3	63.3	20	63.8	60.8	60.3
4	4.1	56.3	53.3	52.2	23	51.8	48.8	49.2
8	5.8	51.8	48.8	46	24.5	45.7	42.7	43
10	6.5	50.3	47.3	43.8	25	43.8	40.8	40.8
16	8.2	47.2	44.2	39	25	39.7	36.7	36
20	9.3	45.8	42.8	36.5	25	37.8	34.8	33.5
25	10.4	44.3	41.3	33.9	24.3	35.8	32.8	30.9
31.25	11.7	42.9	39.9	31.2	23.6	33.9	30.9	28.2
62.5	17	38.4	35.4	21.4	21.5	27.8	24.8	18.4
100	22	35.3	32.3	23.3	20.1	23.8	20.8	10.3
155	28.1	32.4	29.4	4.3	18.8	20	17	1.3
200	32.4	30.8	27.8	---	18	1.7	14.7	---
300	41	28.1	25.1	---	16.8	14.2	11.2	---
350	44.9	27.1	24.1	---	16.3	12.9	9.9	---