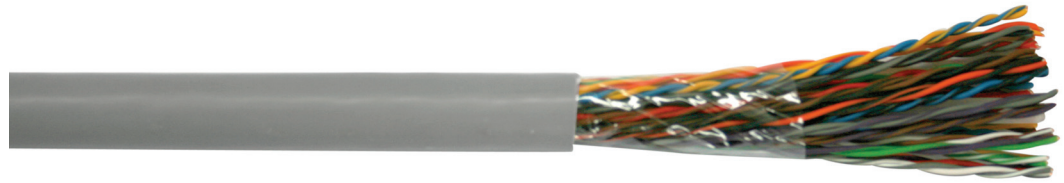


Cat 5E 25 Pair UTP LSZH Cable

Eland Product Group **A8N****Application**

This 25 pair LSZH backbone cable is suitable for 100Base-T, Gigabit Ethernet, 155 Mbps ATM, TP-PMD Audio, Multimedia and Telephone networks.

**Conductor**

Class 1 solid plain copper

Insulation

SPE (Solid Polyethylene)

Filler

PE (Polyethylene) dummy core

Separator

Mylar tape

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

Grey

Temperature Rating

Installation: -20°C to +60°C

Operating: -20°C to +60°C

Minimum Bending Radius

Full load: 20 x overall diameter

No load: 15 x overall diameter

Core Identification

25 pairs:

White/Blue + Blue/White,
 White/Orange + Orange/White,
 White/Green + Green/White,
 White/Brown + Brown/White,
 White/Grey + Grey/White,
 Red/Blue + Blue/Red,
 Red/Orange + Orange/Red,
 Red/Green + Green/Red,
 Red/Brown + Brown/Red,
 Red/Grey + Grey/Red,
 Black/Blue + Blue/Black,
 Black/Orange + Orange/Black,
 Black/Green + Green/Black,
 Black/Brown + Brown/Black,
 Black/Grey + Grey/Black,
 Yellow/Blue + Blue/Yellow,
 Yellow/Orange + Orange/Yellow,
 Yellow/Green + Green/Yellow,
 Yellow/Brown + Brown/Yellow,
 Yellow/Grey + Grey/Yellow,
 Purple/Blue + Blue/Purple,
 Purple/Orange + Orange/Purple,
 Purple/Green + Green/Purple,
 Purple/Brown + Brown/Purple,
 Purple/Grey + Grey/Purple.

**Dimensions**

Eland Part Number	No. of Pairs	Nominal Diameter of Conductor mm	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A8NCAT5E25PRLS	25	0.51	0.91	12.0	194

Performance Characteristics

Frequency MHz	Attenuation at 20°C (-dB/100m)(±15%)	NEXT Worst Pair (dB)(±15%)	RL (dB)(±15%)
1.00	2.0	65.3	20.0
4.00	4.1	56.3	23.0
8.00	5.8	51.8	24.5
10.00	6.5	50.3	25.0
16.00	8.2	47.3	25.0
20.00	9.3	45.8	25.0
25.00	10.4	44.3	24.3
31.25	11.7	42.9	23.6
62.50	17.0	38.4	21.5
100.00	22.0	35.3	20.1

Electrical Characteristics

Eland Part Number	Impedance ohms	Max Conductor DC Resistance at 20°C ohms/100m
A8NCAT5E25PRLS	100(+/-15)	10.55