

# Category 3 UTP 100 Pair cable LSZH



## Product Designation BZ3-100

<b>Standards</b>	ISO11801 & TIA/EIA568
<b>Applications</b>	Generic cabling systems including 10 Base-T designed to support Cat 3 Link and Channel performance with internationally defined Physical and Electrical performance up to 16MHz
<b>Construction</b>	RoHS, RoHS2, REACH and REACH 2 Compliant
<b>Conductor</b>	24AWG Plain Annealed Copper
<b>Insulation</b>	Polyethylene with colour marking on Primary cores to ease identification

## Colour Code

White/Blue	Red/Blue	Black/Blue	Yellow/Blue	Violet/Blue
White/Orange	Red/Orange	Black/Orange	Yellow/Orange	Violet/Orange
White/Green	Red/Green	Black/Green	Yellow/Green	Violet/Green
White/Brown	Red/Brown	Black/Brown	Yellow/Brown	Violet/Brown
White/Grey	Red/Grey	Black/Grey	Yellow/Grey	Violet/Grey

The cable is produced with 4 Units of 25 pairs. Units identified using a colour ID Tape

<b>Shield</b>	None
<b>Outer Jacket</b>	Low Smoke Zero Halogen CMX,CM,CMR, LSZH Grey RAL7042
<b>Nominal Diameter :</b>	22.5mm +/- 2.0 mm
<b>Additional Components</b>	Mylar protective tape with ripcord
<b>Printing</b>	CABLE BZ3-025 CATEGORY 3 UTP 25 PAIR 24AWG TIA/EIA568B-2 LOW SMOKE ZERO HALOGEN IEC 60332.1 Man. Date + METRE MARKED
<b>Product lengths</b>	Maximum 1000m drums standard, other lengths on request

## Mechanical Characteristics

Maximum Pulling Force:	1200 N
Minimum Bending Radius:	8×cable O.D (mm)
Nominal Weight:	550 Kg/1000m
Operating Temperature:	-15Deg C ~ +70 Deg C
Installation Temperature:	+5 Deg C ~ +40 Deg C
Fire Performance:	IEC332.1, VW1

## Electrical Performance

Transmission Frequency	1MHz	4MHz	8MHz	10MHz	16MHz
NEXTA (dB/100m)	41	32	27	26	23
Characteristic Impedance (Ω)	100+/- 15	100+/- 15	100+/- 15	100+/- 15	100+/- 15
Attenuation (dB /100m)	2.6	5.6	8.5	9.7	13.1
Structural Return Loss (dB /100m)	12	12	12	12	10
Nominal Velocity of Propagation	> 65%				