

Category 3 UTP 50 Pair cable LSZH



Product Designation BZ3-050

Standards	ISO11801 & TIA/EIA568
Applications	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
Construction	RoHS, RoHS2, REACH and REACH 2 Compliant
Conductor	24AWG Plain Annealed Copper
Insulation	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 2 Units of 1~12 pairs and 2 Units of 13~25 pair Units identified using a colour ID Tape

Shield	None
Outer Jacket	Low Smoke Zero Halogen CMX,CM,CMR, LSZH Grey RAL7042
Nominal Diameter :	16.5mm +/- 2.0 mm

Additional Components Mylar protective tape with ripcord

PrintingCABLE BZ3-025 CATEGORY 3 UTP 25 PAIR 24AWG VOE01110CA
LOW SMOKE ZERO HALOGEN IEC 60332.1 Man. Date + METRE MARKED

Product lengths Maximum 1000m drums standard, other lengths on request

Mechanical Characteristics

Maximum Pulling Force:	400 N
Minimum Bending Radius:	8×cable O.D (mm)
Nominal Weight:	380 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%				