Category 3 UTP 25 Pair cable LSZH

Product Designation BZ3-025

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/Grey  Red/Grey  Black/Grey  Yellow/Grey  Violet/Grey

Shield  None

Outer Jacket  Low Smoke Zero Halogen CMX,CM,CMR, LSZH Grey RAL7042

Nominal Diameter  10.8 +/- 2.0 mm

Additional Components  Mylar protective tape with ripcord

Printing  CABLE BZ3-025 CATEGORY 3 UTP 25 PAIR 24AWG TIA/EIA568B-2
LOW SMOKE ZERO HALOGEN IEC 60332.1 Man. Date + METRE MARKED

Mechanical Characteristics

Maximum Pulling Force:  300 N
Minimum Bending Radius:  8×cable O.D (mm)
Nominal Weight:  160 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%