

# 24AWGX4P UTP CAT5E. INDOOR

Part NO: CAS/LUTP- CAT5E

## Product description

Application: LAN CABLE

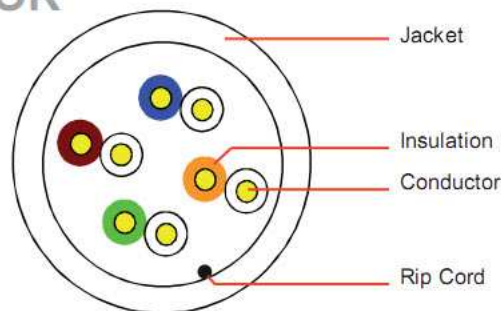
Reference Standard:

ISO/IEC 11801

TIA/EIA568B

IEC 60332, 60754, 61034

Multi.construction: 4 pairs (8cores)



## CABLE CONSTRUCTION

| Conductor              | Solid CCA                |
|------------------------|--------------------------|
| AWG                    | 24                       |
| Conductor Dia.         | 0.510±0.005mm            |
| Insulation             | Solid PE                 |
| Thickness              | AVG: 0.20mm, MIN: 0.18mm |
| Insulation Dia.        | 0.91±0.02mm              |
| Each Pair is twisted   |                          |
| Polyester              | no                       |
| Filler                 | no                       |
| AL/Pet                 | no                       |
| Drain Wire             | no                       |
| Rip Cord               | yes                      |
| Jacket                 | LSZH                     |
| Thickness              | AVG: 0.55mm, MIN: 0.50mm |
| Outer Dia.             | 5.0±0.30mm               |
| Jacket Color(standard) | White: RAL9016           |
| Other colour available |                          |

## Color

### Insulation color are:

Blue, White/Blue

Orange, White/Orange

Green, White/Green

Brown, White/Brown

## Marking

According to customer

## Packaging

305m/plastic reel in a color box, 2 boxes in a carton

## REMARK

Pass FLUKE channel test 100m

## Performance

| Frequency (MHz) | RL (dB) min. | Attenuation (dB/100m) max | NEXT (dB)          | ACR (dB)        |
|-----------------|--------------|---------------------------|--------------------|-----------------|
| 1               | 17.0         | 2.33                      | 62.30              | 60.30           |
| 4               | 18.8         | 4.44                      | 53.26              | 49.20           |
| 8               | 19.7         | 5.76                      | 48.75              | 43.00           |
| 10              | 20.0         | 6.46                      | 47.30              | 40.80           |
| 16              | 20.0         | 8.24                      | 44.30              | 36.10           |
| 20              | 20.0         | 9.26                      | 42.78              | 33.50           |
| 25              | 19.3         | 10.41                     | 41.33              | 30.90           |
| 31.25           | 18.6         | 11.72                     | 39.87              | 28.20           |
| 62.5            | 16.5         | 16.99                     | 35.36              | 18.40           |
| 100             | 15.1         | 21.97                     | 32.29              | 10.30           |
| Frequency (MHz) | ELFEXT (dB)  | PSNEXT (dB)               | PSELFEXT (dB/100m) | Impedance (Ohm) |
| 1               | 60.75        | 62.30                     | 60.75              | 100±15          |
| 4               | 48.71        | 53.26                     | 48.71              |                 |
| 8               | 42.69        | 48.75                     | 42.69              |                 |
| 10              | 40.75        | 47.30                     | 40.75              |                 |
| 16              | 36.67        | 44.30                     | 36.67              |                 |
| 20              | 34.73        | 42.78                     | 34.73              |                 |
| 25              | 32.79        | 41.33                     | 32.79              |                 |
| 31.25           | 30.86        | 39.87                     | 30.86              |                 |
| 62.5            | 24.83        | 35.36                     | 24.83              |                 |
| 100             | 20.75        | 32.29                     | 20.75              |                 |

## Characteristics

|                                             |      |
|---------------------------------------------|------|
| Max. Conductor DC Resistance at 20°C (Ω/Km) | <110 |
| Rated Temperature (°C)                      | 75   |
| Rated Voltage (V)                           | 300V |
| Velocity ratio                              | 65%  |



Only for information purpose.  
Can be change at any time

Nov-2013

VI 1.0