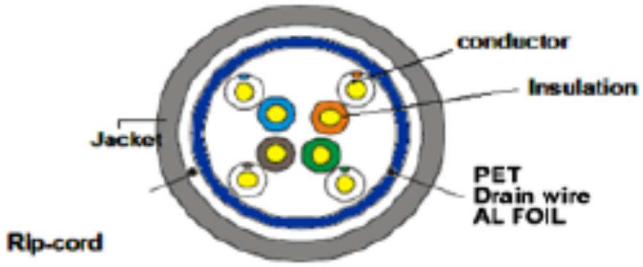
| 57296: CAT 5e network cable, SF/UTP | TECHNICAL DATA SHEET |
|---|---|
| F/UTP 4pairs cable category5e | |




COLOUR:

BLUE-WHITE/BLUE

ORANGE-WHITE/ORANGE

GREEN-WHITE/GREEN

BROWN-WHITE/BROWN



## CABLE DESCRIPTION

**1-CONDUCTOR**

TYPE:STRANDED-Copper Clad Aluminum wire

DIAMETER:0.51±0.005mm AWG:24/1

**2-INSULATION**

TYPE:PE solid

DIAMETER:0.9mm±0.01mm

**3-Drain wire**

0.45mm CCA

**4-SHIELDING:PET/Al FOIL**

Coverage 110%

**5-Braiding 64*0.12AL wire**

0.45mm CCA

**5-RIP CORD**

YES

**6-OUTER JACKET**

TYPE:PE

COLOUR:Black

THICKNES:0.6mm

EXTERNAL DIAMETER:5.7mm±0.2mm

**PASS 60m FLUKE TEST**

| PARAMETER | UNIT | VALUE |
|---|---|---|
| Max.linear tesistance. | Ω/km | ≤150 |
| Mutual capacity(nom.) | pF/m | 50 |
| Unbalance capacity max | pF/km | 1600 |
| Characteristic impedance (1 at 100 MHz) | Ω | 100±15 |
| VELOCITY OF PROPAGATION (f>1MHz) | %of c | 66 |

## Marking

CAT 5e network cable, SF/UTP, black
CCA copper mixture for SOHO applications, AWG 24/1 (solid), PE

## ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | Return loss(dB) | Attenuatin (dB/100m) | NEXT (dB) | PSNEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) |
|---|---|---|---|---|---|---|
| 1 | | | 65,3 | 62,3 | 63,8 | 60,8 |
| 4 | | | 56,3 | 53,3 | 51,8 | 48,8 |
| 10 | | | 50,3 | 47,3 | 43,8 | 40,8 |
| 16 | | | 47,2 | 44,2 | 39,7 | 36,7 |
| 20 | | | 45,8 | 42,0 | 37,8 | 34,8 |
| 25 | | | 44,3 | 41,3 | 35,8 | 32,8 |
| 31,25 | | | 42,9 | 39,9 | 33,9 | 30,9 |
| 62,5 | | | 38,4 | 35,4 | 27,9 | 24,9 |
| 100 | | | 35,3 | 32,3 | 23,8 | 20,8 |