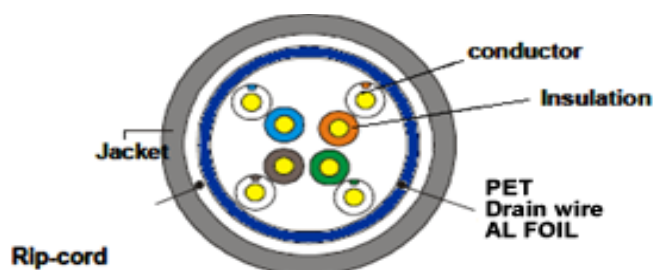


F/UTP 4pairs cable category5e



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

Operating temperature: -20 - 75°C

PARAMETER

UNIT

VALUE

Max.linear testistance.

 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 |

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter

PACKING:100m/ROLL



Wentronic GmbH
 Pillmannstraße 12
 38112 Braunschweig