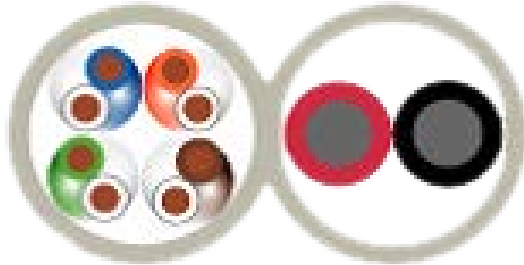




Specification

FTP CAT5e CU + 2x0.75mm² CCA



Cable Description

| I | Conductor: | |
|---|----------------------------|----------------------|
| 1 | Number of Pairs | 4 |
| 2 | Total Number of Conductors | 8 |
| 3 | Conductor Material | BC-Solid Bare Copper |
| 4 | Wire Gage | 24 AWG |
| 5 | Conductor diameter | Ø0.50±0.005mm |
| 6 | Elongation | ≥15% |

| II | Insulate: | |
|----|---------------------|--------------------------------|
| 1 | Insulation Material | HDPE |
| 2 | Nom. Thickness | 0.260mm |
| 3 | Insulation Diameter | Ø0.95±0.05mm |
| 4 | Elongation | ≥300% |
| 5 | Color Cord | Pair 1 : White-Blue & Blue |
| | | Pair 2 : White-Orange & Orange |
| | | Pair 3 : White-Green & Green |
| | | Pair 4 : White-Brown & Brown |

| III | Paired: | |
|-----|-----------|--------|
| 1 | Length of | < 30mm |



| IV | Cabling: | |
|----|-------------------------------|----------------|
| 1 | Shield | AL Foil |
| 2 | Drain Wire | 24 AWG |
| 3 | Drain Wire Conductor Material | Copper Cladded |
| 4 | Vertical Wrap | AL Foil |
| 5 | Outer Shield % Coverage | 100% |

| V | DC Power Parts: | |
|---|-----------------------|--|
| 1 | DC Conductor | Copper Clad Aluminum 24*0.20mm stranded (20% copper) |
| 2 | DC Insulation | PVC |
| 3 | DC Insulated Diameter | 1.8mm |
| 4 | Insulation Color | Red and Black |
| 5 | DC Overall Diameter | 4.80mm |

Electrical Characteristics(20°C)

| Standard: | | TIA/EIA-568-B.2 & IEC/ISO | |
|---|---------|---------------------------|--|
| Product Standard Certification | | | |
| Test Item | Units | Spec | |
| 1.Conductor D.C. Resistance | Ω/100m | ≤8.9 | |
| 2.Unbalance of Pair D.C Resistance | % | ≤2.5 | |
| 3.Dielectric Strength between Pairs | kV/min | ≤1.0 | |
| 4.Dielectric Strength Conductor to Screen | kV/min | ≤2.5 | |
| 5.Insulation Resistance | MΩ·km | ≥5000 | |
| 6.Capacitance | nF/100m | ≤5.6 | |
| 7.Unbalance of Capacitance | pF/100m | ≤330 | |
| 8.Characteristic impedance(1 to 100MHz) | Ω | 100±15 | |
| 9.Short or Open of the loop | - | None | |
| 10.Operating Temperature Rating | °C | -40 ~ +50 | |

| Frequency (Mhz) | RL(dB) | SRL (dB) | Attenuation (dB/100m) | NEXT (dB/100m) |
|-----------------|--------|----------|-----------------------|----------------|
| 1 | 20,00 | 28,00 | 2,03 | 65,30 |
| 4 | 23,01 | 28,00 | 4,03 | 56,27 |
| 8 | 24,52 | 28,00 | 5,73 | 51,75 |
| 10 | 25,00 | 28,00 | 6,43 | 50,30 |



Техническа спецификация за ЛАН-кабели FTP Cat5e CU+2x0.75mm² CCA

| | | | | |
|-------|-------|-------|-------|-------|
| 16 | 25,00 | 28,00 | 8,19 | 47,24 |
| 20 | 25,00 | 25,00 | 9,20 | 45,78 |
| 25 | 24,32 | 27,03 | 10,33 | 44,33 |
| 31,25 | 23,64 | 26,06 | 11,62 | 42,88 |
| 62,5 | 21,54 | 23,05 | 16,79 | 38,36 |
| 100 | 20,11 | 21,01 | 21,65 | 35,30 |

| Frequency (Mhz) | PSNEXT (dB/100m) | ELFEXT (dB/100m) | PSELFEXT (dB/100m) | Delay (ns/100m) |
|-----------------|------------------|------------------|--------------------|-----------------|
| 1 | 62,30 | 64,00 | 61,00 | 45,00 |
| 4 | 53,27 | 51,96 | 48,96 | 45,00 |
| 8 | 48,75 | 45,94 | 42,94 | 45,00 |
| 10 | 47,30 | 44,00 | 41,00 | 45,00 |
| 16 | 44,24 | 39,92 | 36,92 | 45,00 |
| 20 | 42,78 | 37,98 | 34,98 | 45,00 |
| 25 | 41,33 | 36,04 | 33,04 | 45,00 |
| 31,25 | 39,88 | 34,10 | 31,10 | 45,00 |
| 62,5 | 35,36 | 28,08 | 25,08 | 45,00 |
| 100 | 32,30 | 24,00 | 21,00 | 45,00 |

Mechanical Characteristics

| Test Object | Jacket |
|-------------------------|-----------------------------|
| Test Material | PVC |
| Before | Tensile Strength(Mpa) ≥13.5 |
| Aging | Elongation(%) ≥150 |
| Aging Condition(°C×hrs) | 100×168 |
| Before | Tensile Strength(Mpa) ≥12.5 |
| Aging | Elongation(%) ≥125 |
| Cold Bend(-20±°C×4hrs) | No crack |

Other Characteristics

Packing: 305m/Wooden drum