

FTP CAT.5e PE (outdoor)

Category 5E shielded Twisted Pair F/UTP Installation cable

CAF5EX

DESCRIPTION

Manufactured according to ISO / IEC 11801, ANSI/TIA 568 B.2, EN-50173 CPR Fca



TECHNICAL SPECIFICATIONS

| | |
|-------------------------|----------------------------------|
| Conductor | Bare copper : 0.50±0.01mm |
| Insulation | HDPE : 1.0±0.05 mm |
| Identification of pairs | |
| 1 pair | Blue - White / Blue |
| 2 pair | Orange - White / Orange |
| 3 pair | Green - White / Green |
| 4 pair | Brown - White / Brown |
| Drain | Tinned Copper : 0.45±0.01 mm |
| Shield | Polyester Tape/AL Foil |
| Ripcord | Yes |
| Sheath | PE |
| Color | Black |
| Bending radius | ≥ 8 x Diameter (mm) Installation |
| Storage temperature | -15°C—+70°C |



ELECTRICAL CHARACTERISTICS

| n° Pairs.xΦmm | Conductor Resistance Ω/km | Resistance Unbalance | Cap. between cond. pair nF / 100m | Velocity of Propagation % | Impedance Ω | ΦExt. (Appvox) mm |
|---------------|---------------------------|----------------------|-----------------------------------|---------------------------|-------------|-------------------|
| 4x2x0.50 | max.95 | max.4% | 5.6 | 69 | 100±15 | 6.2±0.2 |

| Frequency (MHz) | RL ≥dB | ATT ≤dB/100m | NEXT ≥dB | DELAY ≤ns/100m | PS NEXT ≥dB | EL FEXT ≥dB/100m | PS EL FEXT ≥dB/100m |
|-----------------|--------|--------------|----------|----------------|-------------|------------------|---------------------|
| 1 | 20.0 | 2.0 | 65.3 | 570.0 | 62.3 | 63.8 | 60.8 |
| 4 | 23.0 | 4.1 | 56.3 | 552.0 | 53.3 | 51.8 | 48.8 |
| 8 | 24.5 | 5.8 | 51.8 | 547.0 | 48.8 | 45.7 | 42.7 |
| 10 | 25.0 | 6.5 | 50.3 | 545.0 | 47.3 | 43.8 | 40.8 |
| 16 | 25.0 | 8.2 | 47.2 | 543.0 | 44.4 | 39.7 | 36.7 |
| 20 | 25.0 | 9.3 | 45.8 | 542.0 | 42.8 | 37.8 | 34.8 |
| 25 | 24.3 | 10.4 | 44.3 | 541.0 | 41.3 | 35.8 | 32.8 |
| 31.25 | 23.6 | 11.7 | 42.9 | 540.0 | 39.9 | 33.9 | 30.9 |
| 62.5 | 21.5 | 17.0 | 38.4 | 539.0 | 35.4 | 27.9 | 24.9 |
| 100 | 20.1 | 22.0 | 35.3 | 538.0 | 32.3 | 23.8 | 20.8 |

Appliance

Cable for data transmission in structured cabling networks (LAN), horizontal and secondary facilities.

Packing

305m /box

