

Cat.6 S/FTP PVC Installation Cable

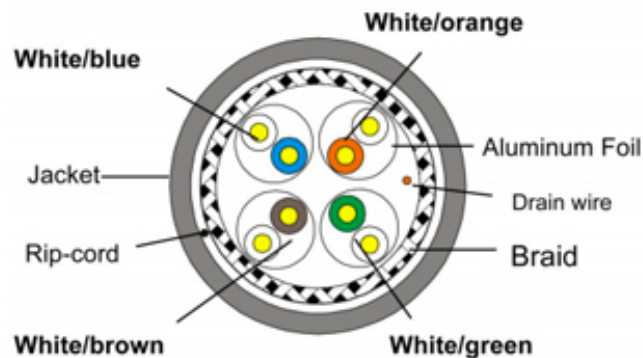


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The equip[®] Installation Cable is made of preminent materials and thoroughly examined to meet or surpass industrial standards defined by the EIA / TIA, ISO and EN standard bodies. The performance is guaranteed via a comprehensive test including attenuation, return loss, NEXT (Next End Crosstalk) and FEXT (Far End Crosstalk) up to 250MHz and the hence the equip[®] Installation Cable serves well in the most demanding networking environments.

| Structure



| Specification

| | | |
|-------------------|---------------|--|
| Conductor | Material | Bare Copper |
| | Construction | 23AWG, 1/0.57 ± 0.015mm |
| Insulation | Material | HD-PE |
| | Thickness | MIN at any point: 0.24 mm / MAX AVG:0.26 mm |
| | Diameter | 1.08 ± 0.02mm |
| | Colors | Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown |
| Stranding | Mylar | 0.035*25mm |
| | Al Foil | 0.065*25mm |
| | Drain Wire | 1/0.40±0.02mm |
| | Central Cross | PE: 5.0*0.7mm |
| | Braiding | Tinning Wire: 16 × 4 × 1/0.12mm |
| Jacket | Material | PVC |
| | Thickness | MIN at any point: 0.53mm / MAX AVG: 0.55mm |
| | Diameter | 7.2 ± 0.2mm |
| | Colors | Beige (RAL1015) |
| | Marking | equip CAT.6 S/FTP INSTALL CABLE E213738-Y CM |

| Electrical Properties

| | |
|------------------------------|-------------------------|
| Spark Test | 2000 ± 250 VOC |
| Dielectric Strength | 1000V dc/3 seconds |
| Insulation Resistance | MIN 150MΩ/KM |
| Conductor Resistance | MAX 9.38 Ω/100m at 20°C |
| Resistance Unbalance | MAX 5% |
| Capacitance Unbalance | MAX 330pF/100m |
| Mutual Capacitance | MAX 560pF/100m |
| Impedance | 100± 15Ω |

| Performance

| Frequency (MHz) | Impedance (Ω) | Attenuation dB/100m | RL dB/100m | ACR dB/100m | PS-ACR dB/100m | NEXT (dB) | PS-NEXT (dB) | ELFEXT dB/100m | PS-ELFEXT dB/100m |
|--------------------|---------------------------|------------------------|---------------|----------------|-------------------|--------------|-----------------|-------------------|----------------------|
| 1.0 | 100 \pm 15 | 2.0 | 20.0 | 72.3 | 70.3 | 74.3 | 72.3 | 67.8 | 64.8 |
| 4.0 | 100 \pm 15 | 3.8 | 23.0 | 61.5 | 59.5 | 65.3 | 63.3 | 55.8 | 52.8 |
| 8.0 | 100 \pm 15 | 5.3 | 24.5 | 55.4 | 53.4 | 60.8 | 58.8 | 49.7 | 46.7 |
| 10.0 | 100 \pm 15 | 6.0 | 25.0 | 53.3 | 51.3 | 59.3 | 57.3 | 47.8 | 44.8 |
| 16.0 | 100 \pm 15 | 7.6 | 25.0 | 48.6 | 46.6 | 56.2 | 54.2 | 43.7 | 40.7 |
| 20.0 | 100 \pm 15 | 8.5 | 25.0 | 46.3 | 44.3 | 54.8 | 52.8 | 41.8 | 38.8 |
| 25.0 | 100 \pm 15 | 9.5 | 24.3 | 43.8 | 41.8 | 53.3 | 51.3 | 39.8 | 36.8 |
| 31.25 | 100 \pm 15 | 10.7 | 23.6 | 41.4 | 39.1 | 51.9 | 49.9 | 37.9 | 34.9 |
| 50 | 100 \pm 15 | 13.6 | 22.4 | 35.6 | 33.6 | 49.2 | 47.2 | 34.3 | 31.3 |
| 62.5 | 100 \pm 15 | 15.4 | 21.5 | 31.9 | 29.9 | 47.4 | 45.4 | 31.9 | 28.9 |
| 100.0 | 100 \pm 15 | 19.8 | 20.1 | 24.4 | 22.4 | 44.3 | 42.3 | 27.8 | 24.8 |
| 155.0 | 100 \pm 15 | 25.2 | 18.8 | 20.4 | 18.4 | 42.8 | 40.8 | 25.9 | 22.9 |
| 200.0 | 100 \pm 15 | 29.0 | 18.0 | 10.6 | 8.6 | 39.8 | 37.8 | 21.8 | 18.8 |
| 250.0 | 100 \pm 15 | 32.8 | 17.3 | 5.3 | 3.3 | 38.3 | 36.3 | 19.8 | 16.8 |

| Ordering Information

| PN | EAN | Length | Packing | Weight |
|--------|---------------|--------|--------------|--------|
| 401481 | 4015867165249 | 100m | Equip EZ Box | 5.25Kg |
| 401483 | 4015867165096 | 305m | Wood Drum | 16.5Kg |

| Typical Applications

- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Class E ISO/IEC 11801 2nd Edition & EN 50173