

CAT6 BLACK SOLID GEL FILLED OUTDOOR CABLE

Cat6 Black Solid GEL Filled Outdoor cable, 23AWGx4P 250Mhz, Black PE Jacket Supplied on a Wooden Reel. Below ground installation.

NVP: 69%



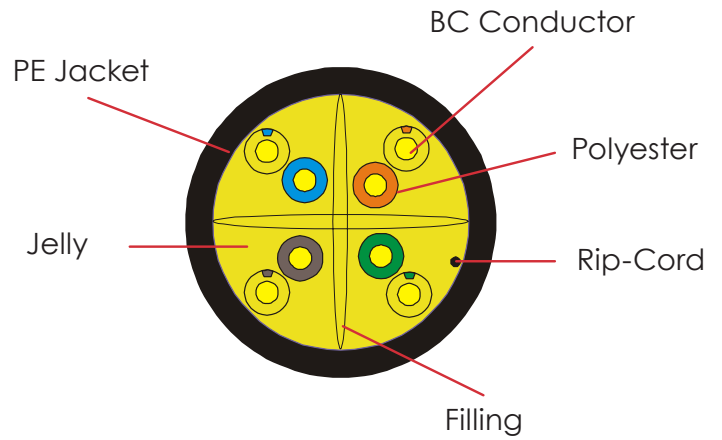
PRODUCT CODES & LENGTHS

| Model Code | Conductor | Colour | Length |
|-----------------|-----------|--------|--------|
| C-C6-SLD-GEL | Solid | Black | 305M |
| C-C6-SLD-GEL500 | Solid | Black | 500M |

PRODUCT SPECIFICATIONS

| | | | | |
|-----------------------------------|---|-------------------------|----|--------|
| Category | U/UTP-ZST CAT6-4P-PE | | | |
| Test Standard | ISO/IEC11801, TIA-568C.2 | | | |
| Conductor | Material | SOLID-Bare Copper | | |
| | Nom. O.D. (mm) | 0.565 | Up | +0.005 |
| Insulation | Material | HDPE | | |
| | Diameter | 1.09±0.03mm | | |
| Colour | A. Blue, White-Green | B. Orange, White-Orange | | |
| | C. Green, White-Green | D. Brown, White-Brown | | |
| Sheath | Thickness | 0.60±0.05mm | | |
| | External O.D. | 6.8±0.8mm | | |
| | Surface | Clean, Frap, Satiation | | |
| | Material | LDPE | | |
| Surface Printing | Colour | Black | | |
| | Letter Height | 3.0±0.3mm | | |
| | Print Error & Space | ≤±0.5%, 1m | | |
| Packing | Wooden Reel | | | |
| Packing Length | 500±2.5m | | | |
| Rip Cord | Yes | | | |
| Drain Wire | No | | | |
| Sheath Physical Properties | Before Aging Tensile Strength (Mpa) ≥10.0 | | | |
| | Elongation(%) ≥350 | | | |
| | Aging Period (°C x hrs) 100°C x 24h x 10d | | | |
| Electrical Characteristics (20°C) | After Aging Elongation(%) ≥300 | | | |
| | Cold bend (-20±2°C×4h) 8×Cable O.D. No visible cracks | | | |
| | 1.0-250.0MHz, Characteristic impedance (Ω) 100±15 | | | |
| | 1.0-250.0MHz, Delay Shew 20°C (ns/100m) ≤45 | | | |
| | DC Resistance 20°C (Ω/100m) Max. 9.38 | | | |
| | DC Conductor Resistance Unbalance (%) Max. 5.0 | | | |

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FLUKE TECHNICAL PERFORMANCE

| Frequency (MHz) | RL ≥dB | ATT ≤dB | NEXT ≥dB | DELAY ≤ns |
|-----------------|--------|---------|----------|-----------|
| 1 | 19.1 | 3.0 | 65.0 | |
| 4.0 | 21.0 | 3.5 | 64.1 | |
| 8.0 | 21.0 | 5.0 | 59.4 | |
| 10.0 | 21.0 | 5.5 | 57.8 | |
| 16.0 | 20.0 | 7.0 | 54.6 | 498 |
| 20.0 | 19.5 | 7.9 | 53.1 | |
| 25.0 | 19.0 | 8.9 | 51.5 | |
| 31.25 | 18.5 | 10.0 | 50.0 | |
| 62.5 | 16.0 | 14.4 | 45.1 | |
| 100 | 14.0 | 18.6 | 41.8 | |
| 200 | 11.00 | 27.4 | 36.9 | |
| 250 | 10.0 | 31.1 | 35.3 | |

| Frequency (MHz) | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB |
|-----------------|------------|------------|--------------|
| 1 | 62.0 | 64.2 | 61.2 |
| 4 | 61.8 | 52.1 | 49.1 |
| 8 | 57.0 | 46.1 | 43.1 |
| 10 | 55.5 | 44.2 | 41.2 |
| 16 | 52.2 | 40.1 | 37.1 |
| 20 | 50.7 | 38.2 | 35.2 |
| 25 | 49.1 | 36.2 | 33.2 |
| 31.25 | 47.5 | 34.3 | 31.3 |
| 62.5 | 42.7 | 28.3 | 25.3 |
| 100 | 39.3 | 24.2 | 21.2 |
| 200 | 34.3 | 18.2 | 15.2 |
| 250 | 32.7 | 16.2 | 13.2 |