

# CAT6 BLACK SOLID GEL FILLED OUTDOOR CABLE

C-C6-SLDGEL

23Awgx4p 250Mhz, Uv Stabilized Pe Jacket, Supplied On A Wooden Reel. Below Ground Installation

Nvp: 69%

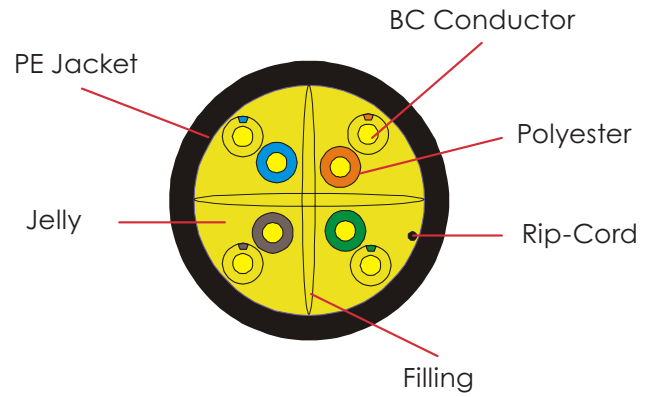


## PRODUCT CODES & LENGTHS

| Model Code     | Conductor | Colour | Length |
|----------------|-----------|--------|--------|
| C-C6-SLDGEL    | Solid     | Black  | 305M   |
| C-C6-SLDGEL500 | 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<br>Down | +0.005<br>-0.005 |
| Insulation                        | Material                                              | HDPE                    |            |                  |
|                                   | Diameter                                              | 1.12±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.                                         | 7.1±0.5mm               |            |                  |
|                                   | Surface                                               | Clean, Frap, Satiation  |            |                  |
|                                   | Material                                              | LDPE                    |            |                  |
|                                   | Colour                                                | Black                   |            |                  |
| Surface Printing                  | Letter Height                                         | 3.0±0.3mm               |            |                  |
|                                   | Colour                                                | White                   |            |                  |
|                                   | Print Error & Space                                   | ≤±0.5%, 1m              |            |                  |
| Packing                           | Wooden Reel                                           |                         |            |                  |
| Packing Length                    | 500±2.5m                                              |                         |            |                  |
| Rip Cord                          | Yes                                                   |                         |            |                  |
| Drain Wire                        | No                                                    |                         |            |                  |
| Sheath Physical Properties        | UV stabilized PE Jacket                               |                         |            |                  |
|                                   | Before Aging Tensile Strength (Mpa) ≥10.0             |                         |            |                  |
|                                   | Elongation(%) ≥350                                    |                         |            |                  |
|                                   | Aging Period (°C x hrs) 100°C x 24h x 10d             |                         |            |                  |
|                                   | After Aging Elongation(%) ≥300                        |                         |            |                  |
| Electrical Characteristics (20°C) | 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. 9.5                  |                         |            |                  |
|                                   | DC Conductor Resistance Unbalance (%) Max. 5.0        |                         |            |                  |



## FLUKE TECHNICAL PERFORMANCE

| Frequency (MHz) | RL ≥dB     | ATT ≤dB    | NEXT ≥dB     | DELAY ≤ns |
|-----------------|------------|------------|--------------|-----------|
| 1               | 19.1       | 3.0        | 65.0         | 498       |
| 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         |           |
| 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         |           |