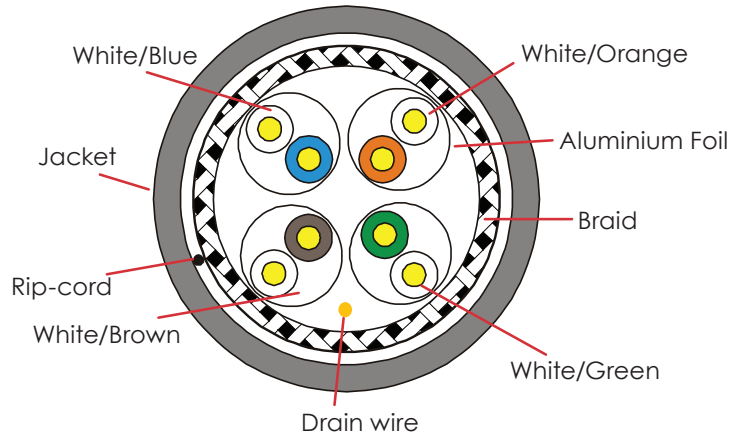


## CAT6A S/FTP Shielded External Cable C-C6AS-EXTBK



305m Cat6A Black S/FTP Shielded External Cable

### PRODUCT CODES & LENGTHS

| Model Code   | Conductor | Colour | Length |
|--------------|-----------|--------|--------|
| C-C6AS-EXTBK | Solid     | Black  | 305M   |

### PRODUCT SPECIFICATIONS

|                                   |   |                      |                            |
|-----------------------------------|---|----------------------|----------------------------|
| Category                          | S/FTP-CAT6A-4P-PE-TC30                          |                      |                            |
| Test Standard                     | ISO/IEC11801, TIA- 568C.2, YD/T1019             |                      |                            |
| Conductor                         | Material  | SOLID-Bare Copper    |                            |
|                                   | Nom. O.D. (mm)                                  | 0.560                | Up: +0.005<br>Down: -0.005 |
| Insulation                        | Material  | Skin-foam-skin PE    |                            |
|                                   | Diameter  | 1.330±0.05mm         |                            |
| Inner Screening Material          | Aluminum Foil                                   | Drain wire:          | Yes                        |
| Outer Screening Material          | Tinned copper 0.10mm                            | Coverage             | ≥30%                       |
| Core Colour                       | 1. White-Blue                                   | 2. White-Orange      |                            |
|                                   | 3. White-Green                                  | 4. White-Brown       |                            |
| Sheath                            | Thickness                                       | 0.55±0.05mm          |                            |
|                                   | External O.D.                                   | 7.6±0.5mm            |                            |
|                                   | Surface   | Clean                |                            |
|                                   | Material  | LDPE (complies RoHS) |                            |
|                                   | Colour  | Black                |                            |
| Surface Printing                  | Letter Height                                   | 3.0±0.3mm            |                            |
|                                   | Colour  | White                |                            |
|                                   | Print Error & Space                             | ≤±0.5%, 1m           |                            |
| Packing                           | Wooden Tray                                     |                      |                            |
| Packing Length                    | 305±1.0m  |                      |                            |
| Rip-cord                          | Yes   |                      |                            |
| Out Jacket Physical Properties    | <b>Before Aging</b>                             |                      |                            |
|                                   | Tensile Strength (Mpa)                          | ≥10.0                |                            |
|                                   | Elongation (%)                                  | ≥350                 |                            |
|                                   | Aging Period (°C x hrs)                         | 100°C x 24h x 10d    |                            |
|                                   | <b>After Aging</b>                              |                      |                            |
|                                   | Elongation (%)                                  | ≥300                 |                            |
| Cold bend (-20±2°C×4h)            | No visible cracks                               |                      |                            |
| Delay Shew (ns/100m)              | ≤45   |                      |                            |
| Velocity of Propagation (%)       | 76  |                      |                            |
| Electrical Characteristics (20°C) | Unbalanced-to-ground capacitance (pf/100m) max. | 330                  |                            |
|                                   | DC Resistance (Ω/100m) max                      | 9.38                 |                            |
|                                   | DC Conductor Resistance                         | 2.0                  |                            |
|                                   | Unbalance (%) max                               | 2.0                  |                            |

# CAT6A S/FTP Shielded External Cable

| TECHINICAL PERFORMANCE (100m) |            |                |              |                 |
|-------------------------------|------------|----------------|--------------|-----------------|
| Frequency (MHz)               | RL ≥dB     | ATT (20°C) ≤dB | NEXT ≥dB     | PHASE DELAY ≤ns |
| 1                             | 20.0       | -              | 74.3         | 570.0           |
| 4.0                           | 23.0       | 3.8            | 65.3         | 552.0           |
| 8.0                           | 24.5       | 5.3            | 60.8         | 546.7           |
| 10.0                          | 25.0       | 5.9            | 59.3         | 545.4           |
| 16.0                          | 25.0       | 7.5            | 56.2         | 543.0           |
| 20.0                          | 25.0       | 8.4            | 54.8         | 542.1           |
| 25.0                          | 24.3       | 9.4            | 53.3         | 541.2           |
| 31.25                         | 23.6       | 10.5           | 51.9         | 540.4           |
| 62.5                          | 21.5       | 15.0           | 47.4         | 538.6           |
| 100                           | 20.1       | 19.1           | 44.3         | 537.6           |
| 200                           | 18.0       | 27.6           | 39.8         | 536.5           |
| 250                           | 17.3       | 31.1           | 38.3         | 536.3           |
| 300                           | 16.8       | 34.3           | 37.1         | 536.1           |
| 500                           | 15.2       | 45.3           | 33.8         | 535.6           |
| Frequency (MHz)               | PSNEXT ≥dB | ELFEXT ≥dB     | PSELFEXT ≥dB |                 |
| 1                             | 72.3       | 67.8           | 64.8         |                 |
| 4                             | 63.3       | 55.8           | 52.8         |                 |
| 8                             | 48.8       | 49.7           | 46.7         |                 |
| 10                            | 57.3       | 47.8           | 44.8         |                 |
| 16                            | 54.2       | 43.7           | 40.7         |                 |
| 20                            | 52.8       | 41.8           | 38.8         |                 |
| 25                            | 41.3       | 39.8           | 36.8         |                 |
| 31.25                         | 49.9       | 37.9           | 34.9         |                 |
| 62.5                          | 45.4       | 31.9           | 28.9         |                 |
| 100                           | 42.3       | 27.8           | 24.8         |                 |
| 200                           | 37.8       | 21.8           | 18.8         |                 |
| 250                           | 36.3       | 19.8           | 16.8         |                 |
| 300                           | 35.1       | 18.3           | 15.3         |                 |
| 500                           | 31.8       | 13.8           | 10.8         |                 |