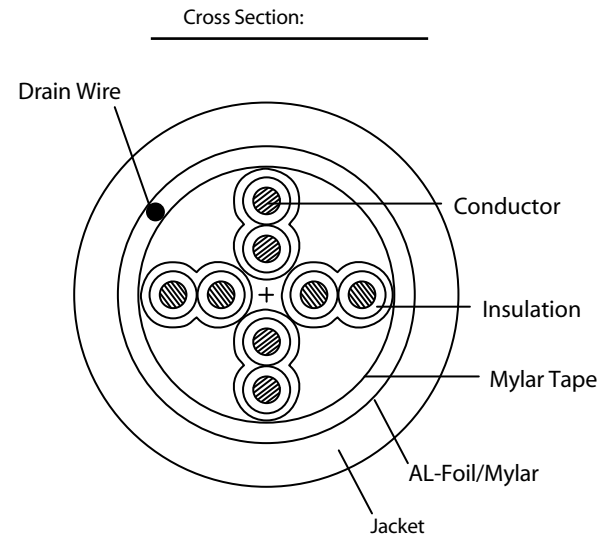


Construction & Material :

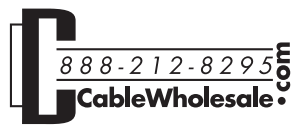
| Item          | Unit  | Specification  |
|---------------|---|--|
| Product       |   | CAT-5 E STP 4P   |
| Conductor     | Size  | AWG 24   |
|               | Number  | Pairs 4  |
|               | Material  | Stranded Bare Copper   |
|               | Construction  | pcs / mm 7/0.20  |
|               | Diameter  | mm 0.60  |
| Insulation    | Material  | HD-PE  |
|               | Min.thickness   | mm 0.156   |
|               | Avg.thickness   | mm 0.175   |
|               | Diameter  | mm 0.99  |
|               | Color   | Blue-White/Blue Orange-White/Orange<br>Green-White/Green Brown-White/Brown |
| Twisting      | Construction  | See Cross Section  |
| Cabling       | Construction  | See Cross Section  |
| Taping        | Material  | Mylar  |
|               | Size  | mm 0.025 x 25  |
|               | Lay Length  | % Overlap 25   |
|               | Type  | Lengthways Wrapped   |
| Drain Wire    | Material  | Stranded Tinned Copper   |
|               | Construction  | pcs / mm 7/0.20  |
| Shielding     | Material  | AL-Foil / Mylar  |
|               | Size  | mm 0.038 x 25  |
|               | Lay Length  | % Overlap 25   |
| Jacket        | Material  | PVC  |
|               | Min.thickness   | mm 0.45  |
|               | Avg.thickness   | 0.55   |
|               | Overall Diameter  | mm 6.00±0.20   |
| Color         |   | By Order   |
| Black Marking | TYPE CM 24AWG 60 (UL) E188630 CSA LL81295 CMG, ETL VERIFIED<br>TIA/EIA-568-B. CAT-5 E UTP Patch Cable STP |  |

| REV. | DESCRIPTION | DATE    |
|------|-------------|---------|
| A    |             |         |
| B    |             | 02-2006 |



|          |     |
|----------|-----|
| DRAWER   | MPD |
| CHECKED  | MAC |
| APPROVED | MAC |
|          |     |



|                                  |              |                              |
|----------------------------------|--------------|------------------------------|
| COLORS:                          | PART NUMBER: | TITLE:                       |
| Gray, Purple, Red, Yellow, White | 10X6-5xxSH   | CAT-5 E STP, 24AWG, Stranded |



Electrical Property :

| REV. | DESCRIPTION | DATE    |
|------|-------------|---------|
| A    |             |         |
| B    |             | 02-2006 |

| Item                                  |                     | Unit                | Specification       |                       |                       | Standard                    |                  |  |
|---------------------------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------------|------------------|--|
| D-C Resistance                        |                     | Ω/100M              | AT 20C              |                       |                       | DC Max.9.3Ω                 |                  |  |
| D-C Resistance Unbalance              |                     | %                   | -----               |                       |                       | Max.5                       |                  |  |
| Capacitance Unbalance                 |                     | pF/100M             | -----               |                       |                       | Max.330                     |                  |  |
| Characteristic Impedance 1.0-100.0MHz |                     | Ω/100M              | -----               |                       |                       | 100 ± 15                    |                  |  |
| Dielectric Withstand                  |                     | VAC/1MIN            | 700                 |                       |                       | No Breakdown                |                  |  |
| Frequency MHz                         | Attenuation dB/100m | NEXT Pair-Pair (dB) | NEXT Power Sum (dB) | ELFEXT Pair-Pair (dB) | ELFEXT Power Sum (dB) | Structural Return Loss (dB) | Return Loss (dB) |  |
| 1                                     | 2.4                 | 65.3                | 62.3                | 63.8                  | 60.8                  | 23.0                        | 20.0             |  |
| 10                                    | 7.8                 | 50.3                | 47.3                | 43.8                  | 40.8                  | 23.0                        | 25.0             |  |
| 16                                    | 9.9                 | 47.3                | 44.4                | 39.7                  | 36.7                  | 23.0                        | 25.0             |  |
| 20                                    | 11.1                | 45.8                | 42.8                | 37.7                  | 34.7                  | 23.0                        | 25.0             |  |
| 25                                    | 12.5                | 44.4                | 41.3                | 35.8                  | 32.8                  | 22.0                        | 24.2             |  |
| 31.25                                 | 14.1                | 42.9                | 39.9                | 33.9                  | 30.9                  | 21.1                        | 23.3             |  |
| 62.5                                  | 20.4                | 38.4                | 35.4                | 27.8                  | 24.8                  | 18.1                        | 20.7             |  |
| 100                                   | 26.4                | 35.3                | 32.3                | 23.8                  | 20.8                  | 16.0                        | 19.0             |  |

|   |   |
|---|---|
| DRAWER  | MPD   |
| CHECKED   | MAC   |
| APPROVED  | MAC   |
|  |  |