

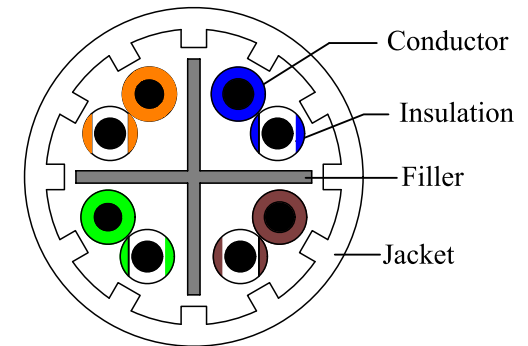
| REV. | DESCRIPTION | DATE |
|------|-------------|---------|
| A | | 10-2023 |
| | | |



Product Specifications

Construction & Material :

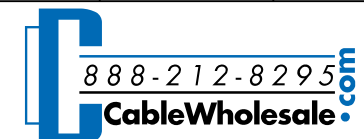
| Item | Unit | Specification |
|------------|---|--|
| Product | | CAT-6A UTP 4P CM Rated |
| Conductor | Size | AWG 23 |
| | Number | pairs 4 |
| | Material | Solid Bare Copper |
| | Construction | pcs/mm 1/0.58 |
| Insulation | Material | HDPE(CMI-75E) |
| | Min.thickness | mm 0.195 |
| | Avg.thickness | mm 0.208 |
| | Diameter | mm 0.99±0.05 |
| | Color | Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown |
| Twisting | Construction | See Cross Section |
| Filler | Material | PE |
| Cabling | Construction | See Cross Section |
| Jacket | Material | 75°C PVC Compound (CMI-80S) |
| | Min.thickness | 0.558 |
| | Avg.thickness | mm 0.685 |
| | Overall Diameter | mm 7.80±0.30 |
| | Color | By Order |
| Marking | TYPE CM 75 °C (UL) E188630 23AWG CSA LL81295 CMG 75 °C FT4 ETL VERIFIED TIA/EIA-568-C.2 CAT.6A UTP +BATCH NO + 2FT... 1000FT | |

RoHS



| | |
|---|---|
| DRAWER | JL |
| CHECKED | |
| APPROVED | |
|  |  |

| ID(NO.) | PART NUMBER | TITLE |
|---------|-------------|--|
| 339 | 13X6-022NH | Bulk Cat6a Ethernet Cable, 10 gig Solid, UTP (Unshielded Twisted Pair), 500 Mhz, 23 AWG, Spool, 1000 foot, Black |





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Electrical Property :

| Item | | Unit | Standard | | | | | |
|-------------------------------|-------------|------------------------|-------------------|---------|------|---------|------------|---------|
| Conductor D-C Resistance | | Ohms/100M | AT 20°C Max. 7.32 | | | | | |
| D-C Resistance Unbalance | | % | Max.3 | | | | | |
| Mutual Capacitance | | pF/100M | Max.5600 | | | | | |
| Capacitance Unbalance | | pF/100M | Max.330 | | | | | |
| Characteristic Impedance (Zo) | | 1~500MHz | 85□115Ω | | | | | |
| Spark Test | | / | 2.5KV | | | | | |
| Frequency | Return Loss | Insertion Loss (Solid) | NEXT | PS-NEXT | ACRF | PS-ACRF | Prop.Delay | PS NEXT |
| 1 | 20.0 | 2.1 | 74.3 | 72.3 | 67.8 | 64.8 | 570 | 67.0 |
| 4 | 23.0 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 552 | 67.0 |
| 8 | 24.5 | 5.6 | 60.8 | 58.8 | 49.7 | 46.7 | 547 | 67.0 |
| 10 | 25.0 | 5.9 | 59.3 | 57.3 | 47.8 | 44.8 | 545 | 67.0 |
| 16 | 25.0 | 7.5 | 56.2 | 54.2 | 43.7 | 40.7 | 543 | 67.0 |
| 20 | 25.0 | 8.4 | 54.8 | 52.8 | 41.8 | 38.8 | 542 | 67.0 |
| 25 | 24.3 | 9.4 | 53.3 | 51.3 | 39.8 | 36.8 | 541 | 67.0 |
| 31.25 | 23.6 | 10.5 | 51.9 | 49.9 | 37.9 | 34.9 | 540 | 67.0 |
| 62.5 | 21.5 | 15.0 | 47.4 | 45.4 | 37.9 | 28.9 | 539 | 65.6 |
| 100 | 20.1 | 19.1 | 44.3 | 42.3 | 27.8 | 24.8 | 538 | 62.5 |
| 200 | 18.0 | 27.6 | 39.8 | 37.8 | 21.8 | 18.8 | 538 | 58.0 |
| 250 | 17.3 | 31.1 | 38.3 | 36.3 | 19.8 | 16.8 | 536 | 56.5 |
| 300 | 16.8 | 34.3 | 37.1 | 35.1 | 18.3 | 15.3 | 536 | 55.3 |
| 400 | 15.9 | 40.1 | 35.3 | 33.3 | 15.8 | 12.8 | 536 | 53.5 |
| 500 | 15.2 | 45.3 | 33.8 | 31.8 | 13.8 | 10.8 | 536 | 52.0 |

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