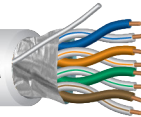


PART NUMBER 9556610

PLENUM: ETL LISTED, TYPE CMP, C(ETL), ANSI/TIA 568-C.2, NFPA 70, ISO 11801

■ 1000/0000 FT • A B C D E 0 1 2 3 4 5 6 7 8 9 UTP 4/23 C(ETL) US CMP CAT6 5013896 TIA-568-C.2 WINDY CITY WIRE MADE IN USA



CABLE SPECIFICATIONS

| | |
|-----------------------------|--|
| DESCRIPTION | 23 AWG CATEGORY 6 (FTP-FOIL) SHIELDED, TWISTED PAIR CABLE THIS CABLE IS PLENUM RATED AND VERIFIED TO CATEGORY 6 ELECTRICALS |
| CONDUCTOR | 23 AWG SOLID BARE COPPER |
| CONDUCTOR O.D. RANGE | 0.0412" - 0.0425" |
| INSULATION | FEP |
| COLOR CODE | BLUE/WHITE WITH BLUE STRIPE, ORANGE/WHITE WITH ORANGE STRIPE GREEN/WHITE WITH GREEN STRIPE, BROWN/WHITE WITH BROWN STRIPE |
| SHIELD | ALUMINUM TAPE (FTP-FOIL) |
| DRAIN WIRE | 24 AWG SOLID TINNED COPPER |
| JACKET | PVC |
| JACKET COLOR | WHITE |
| MARKING | A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/23 C(ETL) US CMP CAT 6 5013896 TIA-568-C.2 WINDY CITY WIRE MADE IN USA |
| OVERALL DIAMETER | 0.277" NOM. |
| CONDUCTOR WEIGHT | 38 LBS/MFT |
| CAPACITANCE | 5.6 NF/100 METERS MAX |
| IMPEDANCE | 100 OHMS. |
| DC RESISTANCE | 9.38 OHMS/100M MAX/ 5% MAX |
| TEMPERATURE RATING | -20° C TO 60° C |
| VOLTAGE RATING | 300 VOLTS |

INDUSTRY STANDARDS

AGENCIES APPROVALS ETL LISTED TYPE CMP, C(ETL), ANSI/TIA 568-C.2, NFPA 70, ISO 11801, ROHS COMPLIANT



All specifications referenced are nominal measurements unless otherwise noted.



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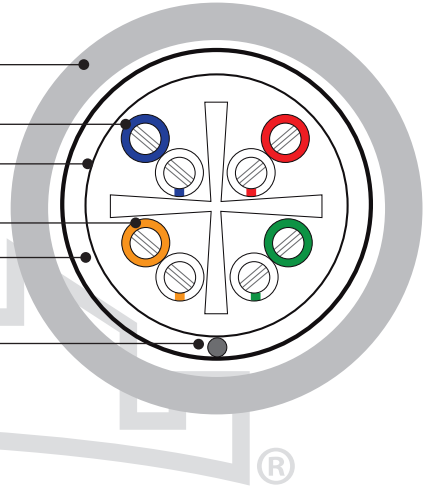
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SCREENED 4 TWISTED PAIR CABLE (FTP)

PLENUM: ETL LISTED, TYPE CMP, C(ETL), ANSI/TIA 568-C.2, NFPA 70, ISO 11801

TWISTED PAIR SHIELDED CABLE

- OUTER JACKET PVC
- PAIR INSULATION FEP
- POLYESTER TAPE
- CONDUCTOR 23 AWG SOLID COPPER
- ALUMINUM TAPE
- DRAIN WIRE 24 AWG SOLID TINNED COPPER



TWISTED PAIR SHIELDED CABLE

- PAIR 1** BLUE/WHITE WITH CO-EXTRUDED BLUE STRIPE ON WHITE
- PAIR 2** ORANGE/WHITE WITH CO-EXTRUDED ORANGE STRIPE ON WHITE
- PAIR 3** GREEN/WHITE WITH CO-EXTRUDED GREEN STRIPE ON WHITE
- PAIR 4** BROWN/WHITE WITH CO-EXTRUDED BROWN STRIPE ON WHITE

MECHANICAL SPECIFICATION

- INPUT IMPEDANCE:** 100 OHMS
- NOMINAL VELOCITY OF PROPAGATION, NVP:** 71%
- DC RESISTANCE/UNBALANCE:** 9.38 OHMS/100M MAX/5% MAX
- DIELECTRIC BREAKDOWN:** 2500 VOLTS DC CONDUCTOR TO CONDUCTOR
- PROPAGATION DELAY SKEW:** < 45NS/100M
- MUTUAL CAPACITANCE:** 5.6 NF/100M MAX

- NOMINAL JACKET OD:** 0.277"
- CABLE WEIGHT:** 38.2 LBS/1000 FT.
- INSTALLATION TEMPERATURE:** 0°C TO 60°C
- OPERATION TEMPERATURE:** -20°C TO 60°C

ELECTRICAL PERFORMANCE

| FREQ | IL Max (dB/100m) | | NEXT Min (dB/100m) | | ACR Min (dB/100m) | | PSNEXT Min (dB/100m) | | PSACR (dB/100m) | | ACRF Min (dB/100m) | | PSACRF Min (dB/100m) | | RL Min (dB/100m) | | TCL | ELTCTL |
|-------|------------------|------|--------------------|------|-------------------|-------|----------------------|------|-----------------|-------|--------------------|------|----------------------|------|------------------|------|------|--------|
| | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | STD | TYP | | |
| 1 | 2.0 | 1.9 | 74.3 | 86.5 | 72.3 | 84.6 | 72.3 | 84.3 | 70.3 | 82.5 | 67.8 | 91.7 | 64.8 | 89.5 | 20.0 | 33.7 | 40.0 | 35.0 |
| 4 | 3.8 | 3.6 | 65.3 | 80.7 | 61.5 | 77.1 | 63.3 | 78.3 | 59.5 | 74.8 | 55.8 | 81.2 | 52.8 | 78.9 | 23.0 | 36.1 | 40.0 | 23.0 |
| 8 | 5.3 | 5.1 | 60.8 | 76.5 | 55.4 | 71.4 | 58.8 | 74.1 | 53.4 | 69.0 | 49.7 | 75.2 | 46.7 | 73.0 | 24.5 | 37.2 | 40.0 | 16.9 |
| 10 | 6.0 | 5.7 | 59.3 | 74.2 | 53.3 | 68.5 | 57.3 | 71.7 | 51.3 | 66.1 | 47.8 | 73.5 | 44.8 | 71.2 | 25.0 | 37.8 | 40.0 | 15.0 |
| 16 | 7.6 | 7.2 | 56.2 | 71.1 | 48.7 | 63.9 | 54.2 | 68.8 | 46.7 | 61.6 | 43.7 | 69.3 | 40.7 | 67.0 | 25.0 | 39.5 | 38.0 | 10.9 |
| 20 | 8.5 | 8.1 | 54.8 | 70.2 | 46.3 | 62.2 | 52.8 | 67.7 | 44.3 | 59.6 | 41.8 | 67.4 | 38.8 | 65.1 | 25.0 | 40.1 | 37.0 | 9.0 |
| 25 | 9.5 | 9.0 | 53.3 | 68.4 | 43.8 | 59.4 | 51.3 | 65.9 | 41.8 | 56.8 | 39.8 | 65.4 | 36.8 | 63.1 | 24.3 | 39.2 | 36.0 | 7.0 |
| 31.25 | 10.7 | 10.1 | 51.9 | 66.7 | 41.2 | 56.6 | 49.9 | 64.3 | 39.2 | 54.2 | 37.9 | 63.5 | 34.9 | 61.2 | 23.6 | 37.5 | 35.1 | - |
| 62.5 | 15.4 | 14.4 | 47.4 | 62.0 | 32.0 | 47.6 | 45.4 | 59.5 | 30.0 | 45.1 | 31.9 | 57.2 | 28.9 | 54.9 | 21.5 | 33.2 | 32.0 | - |
| 100 | 19.8 | 18.3 | 44.3 | 58.9 | 24.5 | 40.6 | 42.3 | 56.4 | 22.5 | 38.0 | 27.8 | 53.2 | 24.8 | 51.0 | 20.1 | 29.6 | 30.0 | - |
| 155 | 25.2 | 23.0 | 41.4 | 55.5 | 16.3 | 32.5 | 39.4 | 54.2 | 14.3 | 31.2 | 24.0 | 49.5 | 21.0 | 47.1 | 18.8 | 27.5 | 28.1 | - |
| 200 | 29.0 | 26.3 | 39.8 | 52.8 | 10.8 | 26.5 | 37.8 | 50.5 | 8.8 | 24.2 | 21.8 | 46.4 | 18.8 | 44.3 | 18.0 | 27.3 | 27.0 | - |
| 250 | 32.8 | 29.6 | 38.3 | 51.5 | 5.2 | 22.0 | 36.3 | 49.1 | 3.5 | 19.6 | 19.8 | 44.4 | 16.8 | 42.2 | 17.3 | 26.6 | 26.0 | - |
| 300 | - | 32.5 | - | 50.4 | - | 17.9 | - | 48.1 | - | 15.6 | - | 43.3 | - | 40.9 | - | 26.3 | - | - |
| 350 | - | 35.3 | - | 48.7 | - | 13.4 | - | 46.5 | - | 11.2 | - | 41.4 | - | 39.0 | - | 26.8 | - | - |
| 400 | - | 37.9 | - | 47.2 | - | 9.2 | - | 44.8 | - | 6.9 | - | 40.0 | - | 37.7 | - | 27.5 | - | - |
| 450 | - | 40.4 | - | 46.5 | - | 6.1 | - | 44.2 | - | 3.8 | - | 39.1 | - | 36.9 | - | 28.3 | - | - |
| 500 | - | 42.8 | - | 45.1 | - | 2.4 | - | 42.9 | - | 0.2 | - | 38.0 | - | 35.8 | - | 27.8 | - | - |
| 550 | - | 43.0 | - | 44.9 | - | 1.9 | - | 42.9 | - | -0.1 | - | 38.1 | - | 35.7 | - | 27.4 | - | - |
| 650 | - | 49.4 | - | 37.6 | - | -11.8 | - | 36.4 | - | -13.0 | - | 34.1 | - | 31.7 | - | 22.3 | - | - |

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