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| LOC | DIST | REVISIONS | | | | | |
|-----|------|-----------|-----|---------------------|---------|-----|------|
| | | P | LTR | DESCRIPTION | DATE | DWN | APVD |
| EH | 00 | | Y | REV-EC 0810-0088-03 | 16JUL03 | LH | RS |
| | | | Z | REV-ECO-06-002603 | 09FEB06 | LH | RS |
| | | | AA | REV ECO-07-017086 | 24JUL07 | LH | JG |

ENHANCED CATEGORY 5e PERFORMANCE CHARACTERISTICS

| FREQUENCY (MHz) | ATTENUATION (dB/100m) | NEXT (dB, WORST PR) | | | PSNEXT (dB) | | ELFEXT (dB, WORST PR) | | PSELFEXT (dB) | | DELAY (ns/100m) | SRL (dB) | RL (dB) | | | IMPEDANCE (ohms) | ACR (dB) | |
|-----------------|-----------------------|---------------------|---------|---------|-------------|---------|-----------------------|---------|---------------|---------|-----------------|----------|---------|---------|---------|------------------|----------|---------|
| | | MINIMUM | TYPICAL | MAXIMUM | MINIMUM | TYPICAL | MINIMUM | TYPICAL | MINIMUM | TYPICAL | | | MINIMUM | TYPICAL | MINIMUM | | TYPICAL | MINIMUM |
| 0.772 | 1.8 | 72 | 81 | - | 69 | 77 | 66 | 73 | 63 | 70 | - | 23.0 | - | - | 100±15 | 70.2 | 79.2 | |
| 1.00 | 2.0 | 70 | 79 | - | 67 | 75 | 64 | 71 | 61 | 68 | 570 | 23.0 | 20.0 | 28.0 | 100±15 | 68.3 | 77.3 | |
| 4.00 | 4.1 | 61 | 70 | - | 58 | 66 | 52 | 59 | 49 | 56 | 552 | 23.0 | 23.1 | 31.0 | 100±15 | 57.2 | 66.2 | |
| 8.00 | 5.8 | 57 | 66 | - | 54 | 62 | 46 | 53 | 43 | 50 | 547 | 23.0 | 24.5 | 32.5 | 100±15 | 51.0 | 60.0 | |
| 10.00 | 6.5 | 55 | 64 | - | 52 | 60 | 44 | 51 | 41 | 48 | 545 | 23.0 | 25.0 | 33.0 | 100±15 | 48.8 | 57.8 | |
| 16.00 | 8.2 | 52 | 61 | - | 49 | 57 | 40 | 47 | 37 | 44 | 543 | 23.0 | 25.0 | 33.0 | 100±15 | 44.0 | 53.0 | |
| 20.00 | 9.3 | 51 | 60 | - | 48 | 56 | 38 | 45 | 35 | 42 | 542 | 23.0 | 25.0 | 33.0 | 100±15 | 41.5 | 50.5 | |
| 25.00 | 10.4 | 49 | 58 | - | 46 | 54 | 36 | 43 | 33 | 40 | 541 | 22.0 | 24.3 | 32.3 | 100±15 | 38.9 | 47.9 | |
| 31.25 | 11.7 | 48 | 57 | - | 45 | 53 | 34 | 41 | 31 | 38 | 540 | 21.1 | 23.6 | 31.6 | 100±15 | 36.2 | 45.2 | |
| 62.50 | 17.0 | 43 | 52 | - | 40 | 48 | 28 | 35 | 25 | 32 | 539 | 18.1 | 21.5 | 29.5 | 100±15 | 26.4 | 35.4 | |
| 100.00 | 22.0 | 40 | 49 | - | 37 | 45 | 24 | 31 | 21 | 28 | 538 | 16.0 | 20.1 | 28.1 | 100±15 | 18.3 | 27.3 | |
| 155.00 | 28.1 | 37 | 46 | - | 34 | 42 | 20 | 27 | 17 | 24 | 537 | 14.1 | 18.8 | 26.8 | 100±15 | 9.4 | 18.4 | |
| 200.00 | 32.4 | 36 | 45 | - | 33 | 41 | 18 | 25 | 15 | 22 | 537 | 13.0 | 18.0 | 26.0 | 100±15 | 3.4 | 12.4 | |
| 225.00 | 34.7 | 35 | 44 | - | 32 | 40 | 17 | 24 | 14 | 21 | 536 | 12.5 | 17.6 | 25.6 | 100±15 | 0.3 | 9.3 | |
| 250.00 | 36.9 | 34 | 43 | - | 31 | 39 | 16 | 23 | 13 | 20 | 536 | 12.0 | 17.3 | 25.3 | 100±15 | - | 6.5 | |
| 300.00 | 41.0 | 33 | 42 | - | 30 | 38 | 14 | 21 | 11 | 18 | 536 | 11.2 | 16.8 | 24.8 | 100±15 | - | 1.2 | |
| 350.00 | 44.9 | 32 | 41 | - | 29 | 37 | 13 | 20 | 10 | 17 | 536 | 10.6 | 16.3 | 24.3 | 100±15 | - | - | |

FINISHED CABLE DATA

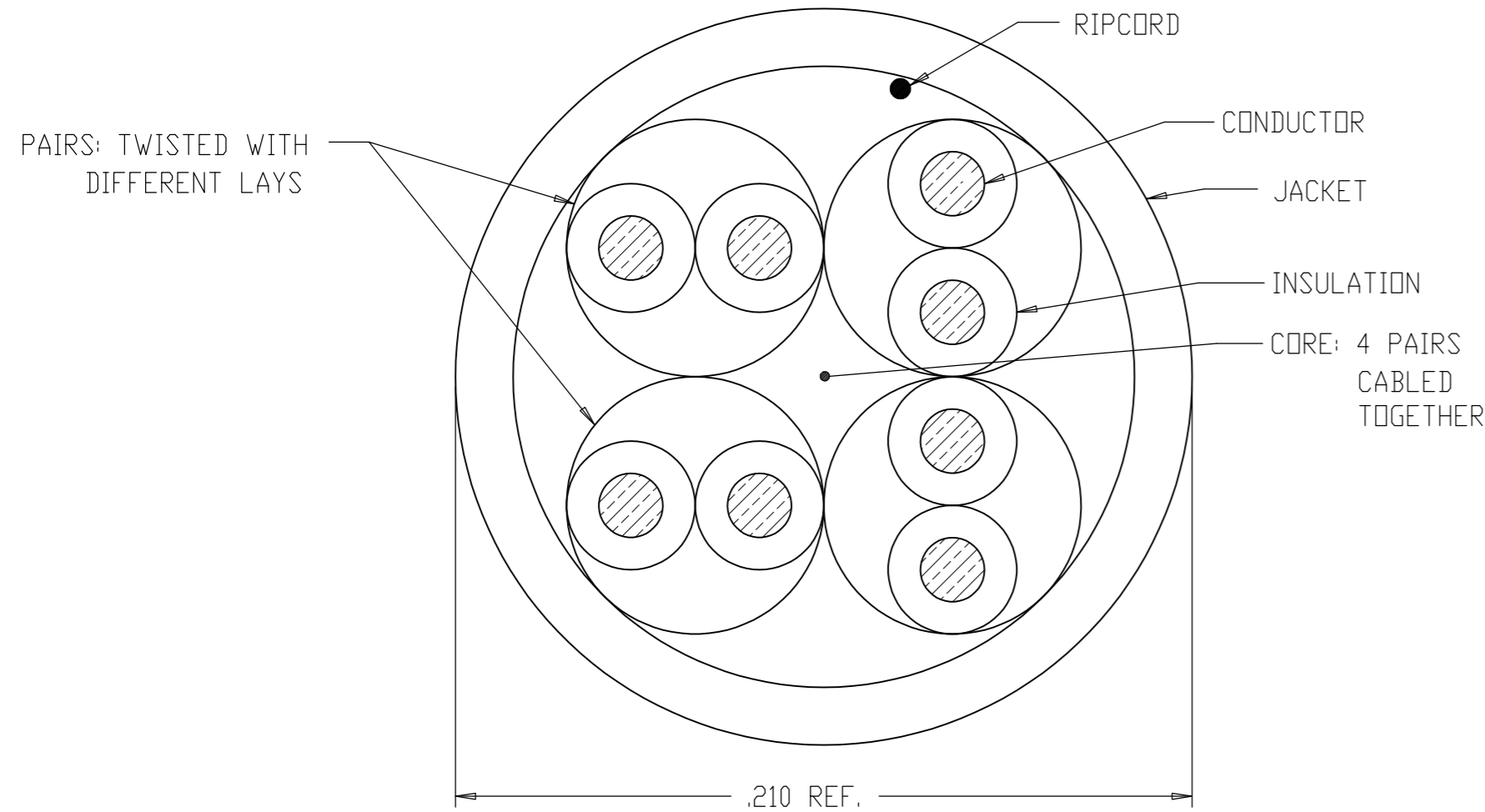
| CONDUCTORS | WIRE AWG | 24 AWG SOLID (Ø.0201 NOM) |
|------------|------------|---------------------------|
| | MATERIAL | COPPER ³ |
| | PLATING | BARE COPPER |
| | ELONGATION | 15% IN 10 IN. MIN |
| INSULATION | MATERIAL | POLYETHYLENE ³ |
| | THICKNESS | .008 NOM (Ø.036 NOM) |
| JACKET | MATERIAL | FR PVC ³ |
| | THICKNESS | Ø.200 NOM |

COLOR CODE ⁴

- PAIR COLOR CODE
- 1 WHT/BLU//BLU
 - 2 WHT/ORG//ORG
 - 3 WHT/GRN//GRN
 - 4 WHT/BRN//BRN

| COLOR | LENGTH (FEET) | PACKAGE | PART NUMBER |
|--------|---------------|----------|-------------|
| RED | 3000±2% | REEL | 8-57826-5 |
| BLACK | 1000±2% | REEL BOX | 8-57826-1 |
| YELLOW | 5000±2% | REEL | 7-57826-7 |
| BLUE | 5000±2% | REEL | 7-57826-5 |
| GRAY | 5000±2% | REEL | 7-57826-3 |
| WHITE | 5000±2% | REEL | 7-57826-1 |
| GREEN | 1000±2% | PULL BOX | 6-57826-9 |
| YELLOW | 1000±2% | PULL BOX | 6-57826-8 |
| YELLOW | 3000±2% | REEL | 6-57826-7 |
| BLUE | 1000±2% | PULL BOX | 6-57826-6 |
| BLUE | 3000±2% | REEL | 6-57826-5 |
| GRAY | 1000±2% | PULL BOX | 6-57826-4 |
| GRAY | 3000±2% | REEL | 6-57826-3 |
| WHITE | 1000±2% | PULL BOX | 6-57826-2 |
| WHITE | 3000±2% | REEL | 6-57826-1 |
| YELLOW | 2500±2% | REEL | 5-57826-7 |
| BLUE | 2500±2% | REEL | 5-57826-5 |
| GRAY | 2500±2% | REEL | 5-57826-3 |
| WHITE | 2500±2% | REEL | 5-57826-1 |
| VIOLET | 1000±2% | REEL BOX | 1-57826-8 |
| RED | 1000±2% | REEL BOX | 1-57826-6 |
| RED | 1000±2% | REEL | 1-57826-5 |
| GREEN | 1000±2% | REEL BOX | 1-57826-4 |
| GREEN | 1000±2% | REEL | 1-57826-3 |
| PINK | 1000±2% | BOX | 1-57826-2 |
| PINK | 1000±2% | REEL | 1-57826-1 |
| YELLOW | 1000±2% | REEL BOX | 57826-8 |
| ORANGE | 1000±2% | REEL BOX | 57826-9 |
| YELLOW | 1000±2% | REEL | 57826-7 |
| BLUE | 1000±2% | REEL BOX | 57826-6 |
| BLUE | 1000±2% | REEL | 57826-5 |
| GRAY | 1000±2% | REEL BOX | 57826-4 |
| GRAY | 1000±2% | REEL | 57826-3 |
| WHITE | 1000±2% | REEL BOX | 57826-2 |
| WHITE | 1000±2% | REEL | 57826-1 |

PRODUCT COMPLIES WITH TIA/EIA 568, LATEST ISSUE.
 FOR ENGINEERING PURPOSES ONLY, ALL MEASUREMENTS ARE SWEEPED OVER THE FREQUENCY RANGE OF INTEREST.



- ¹ SEQUENTIAL FOOTAGE RETURNED TO ZERO FOR EACH LENGTH
 SEQUENTIAL FOOTAGE ACCURACY TO BE ± 1%
- ² E138034 IS AMP'S UL LISTING NUMBER.
- ³ MATERIALS ARE SELECTED BASED ON THEIR ABILITY TO CONFORM TO UL 444 AND EIA/TIA 568 LATEST ISSUES
- ⁴ INSULATION COLORS SHALL BE BLUE, ORANGE, GREEN, BROWN AND WHITE
- ⁵ JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A WIRE AND CABLE LIMITS OR AMP SUPPLIED COLOR STANDARD
- ⁶ JACKET MARKED PER UL 444.
- ⁷ ABCD IS DATE CODE - AB YEAR
 CD WEEK
 E DAY
 EXAMPLE 9513 (PER 102-60)
- 8. GOVERNING SPECIFICATIONS - LATEST REVISIONS
 EIA/TIA 568 CATEGORY 5e
 NEC 800
 UL 444 - CMR
- ⁹ XYYY IS AMP MANUFACTURING LOCATION.

LEGEND TO BE REPEATED EVERY 24'

AMP NETCONNECT ENHANCED CATEGORY 5e CABLE E138034 XXYX 24AWG (UL) CMR c(UL) CMG ETL VERIFIED TO CATEGORY 5e [SEQUENTIAL #] FT ABCDE (TIME)



| | | | | | |
|---|--|------------------|----------|--|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | L.HALL | 15JUL03 | Tyco Electronics Corporation Harrisburg, PA 17105-3608 |
| DIMENSIONS: INCHES | | CHK | R. SPEER | 16JUL03 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD | R. SPEER | 16JUL03 | |
| 0 PLC ± 1 PLC ±.1 2 PLC ±.02 3 PLC ±.005 4 PLC ±.0005 ANGLES ± | | PRODUCT SPEC | NAME | | |
| MATERIAL FINISH | | APPLICATION SPEC | | CABLE, NETCONNECT CAT 5e, ENHANCED, 4 UTP, 24AWG, CMR | |
| WEIGHT | | SIZE | A2 | CAGE CODE | 00779 |
| CUSTOMER DRAWING | | DRAWING NO | C=57826 | | RESTRICTED TO |
| SCALE | | NTS | | SHEET | 1 OF 1 |
| REV | | AA | | | |