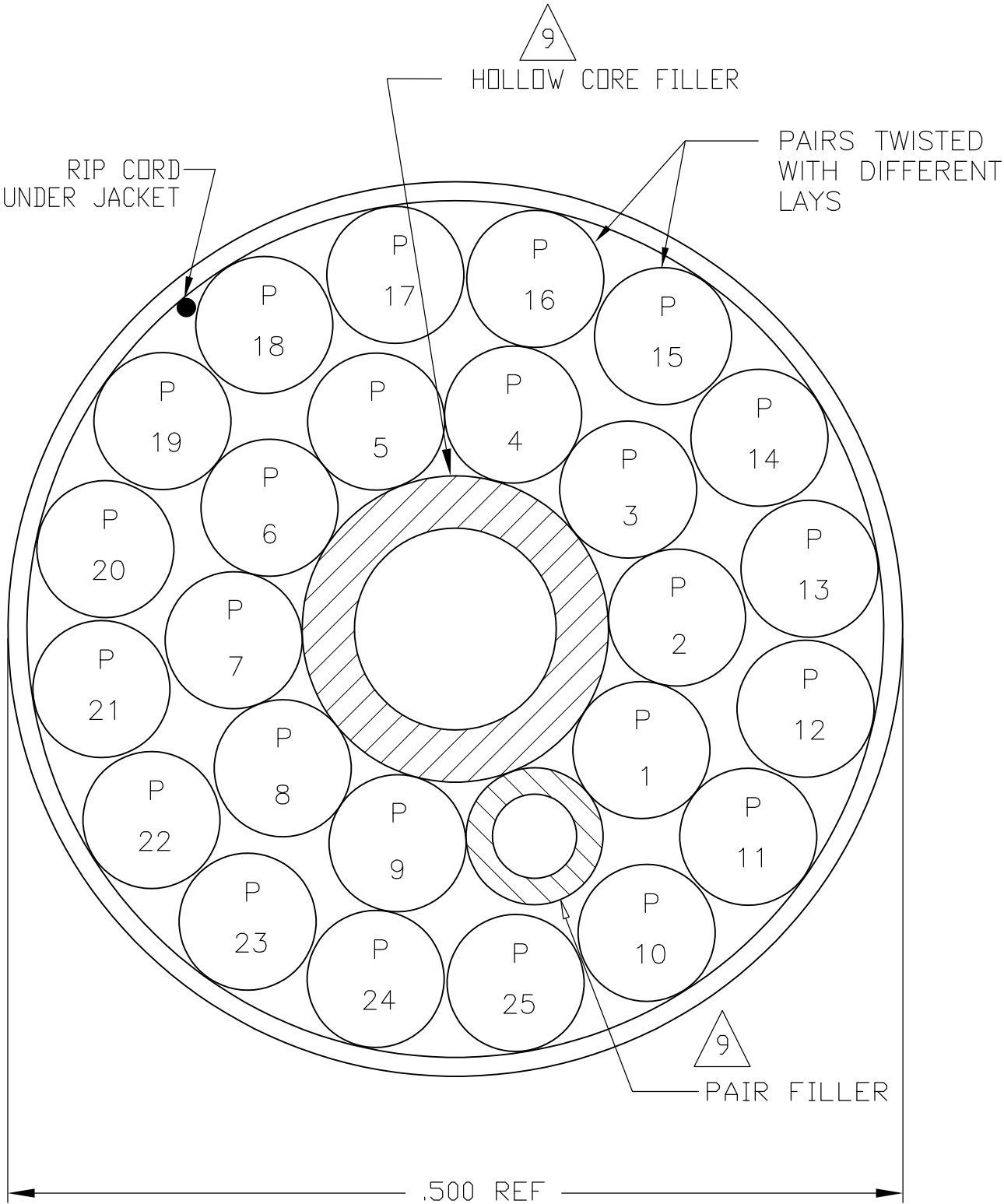


|                                         |                          |                          |                                     |                   |                             |                   |                     |
|-----------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------|-----------------------------|-------------------|---------------------|
| 4                                       |                          | 3                        |                                     |                   |                             |                   |                     |
| THIS DRAWING IS UNPUBLISHED.            |                          | RELEASED FOR PUBLICATION |                                     |                   |                             |                   |                     |
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| CATEGORY 5E PERFORMANCE CHARACTERISTICS |                          |                          |                                     |                   |                             |                   |                     |
| FREQUENCY                               | RETURN LOSS<br>MIN<br>dB | INPUT<br>IMPEDANCE<br>dB | INSERTION<br>LOSS MAX<br>dB AT 100M | NEXT<br>MIN<br>dB | POWER SUM<br>NEXT MIN<br>dB | ACRF<br>MIN<br>dB | PSACRF<br>MIN<br>dB |
| 1.00                                    | 20.0                     | 100±15%                  | 2.0                                 | 65.3              | 62.3                        | 63.8              | 60.8                |
| 4.00                                    | 23.0                     | 100±15%                  | 4.1                                 | 56.3              | 53.3                        | 51.7              | 48.7                |
| 8.00                                    | 24.5                     | 100±15%                  | 5.8                                 | 51.8              | 48.8                        | 45.7              | 42.7                |
| 10.00                                   | 25.0                     | 100±15%                  | 6.5                                 | 50.3              | 47.3                        | 43.8              | 40.8                |
| 16.00                                   | 25.0                     | 100±15%                  | 8.2                                 | 47.2              | 44.2                        | 39.7              | 36.7                |
| 20.00                                   | 25.0                     | 100±15%                  | 9.3                                 | 45.8              | 42.8                        | 37.7              | 34.7                |
| 25.00                                   | 24.3                     | 100±15%                  | 10.4                                | 44.3              | 41.3                        | 35.8              | 32.8                |
| 31.3                                    | 23.6                     | 100±15%                  | 11.7                                | 42.9              | 39.9                        | 33.9              | 30.9                |
| 62.50                                   | 21.5                     | 100±15%                  | 17.0                                | 38.4              | 35.4                        | 27.9              | 24.8                |
| 100.00                                  | 20.1                     | 100±15%                  | 22.0                                | 35.3              | 32.3                        | 23.8              | 20.8                |

|                                                                                                 |           |                           |
|-------------------------------------------------------------------------------------------------|-----------|---------------------------|
| FINISHED WIRE DATA                                                                              |           |                           |
| CONDUCTORS<br> | WIRE AWG  | 24 AWG SOLID (Ø0.021 NOM) |
|                                                                                                 | MATERIAL  | COPPER                    |
|                                                                                                 | PLATING   | BARE COPPER               |
| INSULATION                                                                                      | MATERIAL  | HDPE                      |
|                                                                                                 | THICKNESS | .008 NOMINAL              |
| JACKET                                                                                          | MATERIAL  | PVC                       |
|                                                                                                 | THICKNESS | .032 NOMINAL              |

|            |          |      |          |
|------------|----------|------|----------|
| COLOR CODE |          |      |          |
| PAIR       |          | PAIR |          |
| 1          | WHT//BLU | 14   | BLK//BRN |
| 2          | WHT//ORG | 15   | BLK//GRA |
| 3          | WHT//GRN | 16   | YEL//BLU |
| 4          | WHT//BRN | 17   | YEL//ORG |
| 5          | WHT//GRA | 18   | YEL//GRN |
| 6          | RED//BLU | 19   | YEL//BRN |
| 7          | RED//ORG | 20   | YEL//GRA |
| 8          | RED//GRN | 21   | VIO//BLU |
| 9          | RED//BRN | 22   | VIO//ORG |
| 10         | RED//GRA | 23   | VIO//GRN |
| 11         | BLK//BLU | 24   | VIO//BRN |
| 12         | BLK//ORG | 25   | VIO//GRA |
| 13         | BLK//GRN |      |          |

|                                                                                                                                |    |   |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------|----|---|---|---|---|
| LEGEND TO BE REPEATED EVERY 24"                                                                                                |    |   |   |   |   |
| TE CONNECTIVITY 510 SERIES 25/24 AWG (XXXX) CMR (SAFETY LISTING) ETL VERIFIED TIA-568-C.2 CAT 5E [SEQUENTIAL #] FT (DATE CODE) |    |   |   |   |   |
| 3                                                                                                                              | 10 | 4 | 5 | 1 | 6 |



|           |            |           |     |                    |           |             |
|-----------|------------|-----------|-----|--------------------|-----------|-------------|
| LOC<br>EH | DIST<br>00 | REVISIONS |     |                    |           |             |
|           |            | P         | LTR | DESCRIPTION        | DATE      | DWN<br>APVD |
|           |            |           | H   | REV; ECO-11-005113 | 11MAR2011 | GG<br>JG    |
|           |            |           | J   | REV ECO-12-006137  | 03APR2012 | LH<br>LH    |

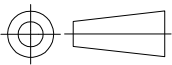
- 1 LENGTH SEQUENTIAL FOOTAGE ACCURACY TO BE ± 1%.
- 2 JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A WIRE AND CABLE LIMITS.
- 3 <XXXX> INDICATES THE MANUFACTURING LOCATION AND MAY DIFFER.
- 4 PRINT SHALL BE LEGIBLE.
- 5 PRINT DURABILITY SHALL BE PER UL 444 SECTION 6.7.
- 6 ABCDE IS DATE CODE - AB YEAR  
CD WEEK  
E TIME  
EXAMPLE: 9513 PER (102-60)

7. GOVERNING SPECIFICATIONS - LATEST REVISIONS  
TIA 568  
NEC 800  
UL 444 - CMR  
CSA C22.2 NO. 214-02

8. WEIGHT = 134 LBS/1000 FT NOMINAL.

- 9 OTHER FILLERS MAY BE INCLUDED IN CABLE CONSTRUCTION.
- 10 SAFETY LISTING EITHER C(UL)US OR C(ETL)US.

|        |          |             |
|--------|----------|-------------|
| YELLOW | 2500±10% | 6-1499418-4 |
| BLUE   | 2500±10% | 6-1499418-3 |
| GRAY   | 2500±10% | 6-1499418-2 |
| WHITE  | 1640±2%  | 5-1499418-5 |
| WHITE  | 2500±10% | 5-1499418-2 |
| WHITE  | 2000±10% | 5-1499418-1 |
| GRAY   | 1640     | 4-1499418-2 |
| YELLOW | 1000±10% | 1499418-4   |
| BLUE   | 1000±10% | 1499418-3   |
| GRAY   | 1000±10% | 1499418-2   |
| WHITE  | 1000±10% | 1499418-1   |
| 2      | COLOR    | LENGTH (FT) |
|        |          | PART NUMBER |

|                                                                                       |  |                                           |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>L.HALL<br>11JUL03                  |  |  TE Connectivity |  |
|                                                                                       |  | CHK<br>R. SPEER<br>14JUL03                |  |                                                                                                       |  |
| DIMENSIONS:<br>INCHES                                                                 |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | NAME<br><br>CMR UTP 25/24 C5E                                                                         |  |
|  |  | APVD<br>R. SPEER<br>14JUL03               |  |                                                                                                       |  |
|                                                                                       |  | PRODUCT SPEC                              |  |                                                                                                       |  |
| MATERIAL                                                                              |  | APPLICATION SPEC                          |  | SIZE                                                                                                  |  |
|                                                                                       |  | WEIGHT                                    |  | CAGE CODE                                                                                             |  |
|                                                                                       |  | CUSTOMER DRAWING                          |  | DRAWING NO                                                                                            |  |
|                                                                                       |  |                                           |  | RESTRICTED TO                                                                                         |  |
|                                                                                       |  |                                           |  | —                                                                                                     |  |
|                                                                                       |  |                                           |  | SCALE                                                                                                 |  |
|                                                                                       |  |                                           |  | SHEET                                                                                                 |  |
|                                                                                       |  |                                           |  | 1 of 1                                                                                                |  |
|                                                                                       |  |                                           |  | REV                                                                                                   |  |
|                                                                                       |  |                                           |  | J                                                                                                     |  |