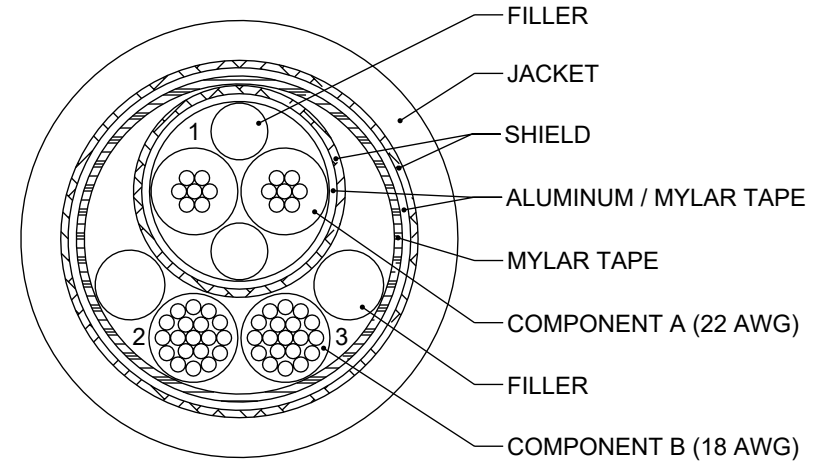


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| REVISION |     |                 |            |            |            |
|----------|-----|-----------------|------------|------------|------------|
| ZONE     | REV | DESCRIPTION     | DATE       | CHANGED BY | APPROVED   |
|          | A   | INITIAL RELEASE | 06/15/2023 | SREITER    | GUTTADAURO |

1. CONSTRUCTION:
  1. ASSEMBLY: 1 PAIR COMPONENT A, 2 CORES COMPONENT B
  2. JACKET:
    1. MATERIAL: TPU
    2. OVERALL DIAMETER: 7.5 ±0.30 mm
    3. THICKNESS: MIN. 0.50 mm
    4. COLOR: GREEN
  3. COMPONENT A (DATA):
    1. CONDUCTOR: BARE COPPER WIRE 7/ 0.25 ±0.008 mm (22 AWG)
    2. INSULATION: FOAM PE
    3. DIELECTRIC CORE OD: 1.75 ±0.05 mm
    4. FILLER: PE FILLER
    5. SHIELD: AL-PET (NOM. 25% OVERLAP, AL SIDE FACE-OUT) TINNED COPPER WIRE BRAIDING (NOM. 90% COVERAGE)
    6. COLOR CODE:
      1. WHITE / BLUE
  4. COMPONENT B (DATA):
    1. CONDUCTOR: BARE COPPER WIRE 19/ 0.25 ±0.008 mm (18 AWG)
    2. INSULATION: PP
    3. DIELECTRIC CORE OD: 1.65 ±0.05 mm
    4. FILLER: PE FILLER / ARAMID YARN
    5. SHIELD: AL-PET (NOM. 25% OVERLAP, AL SIDE FACE-OUT) TINNED COPPER WIRE BRAIDING (NOM. 90% COVERAGE)
    6. COLOR CODE:
      2. RED
      3. BLACK



CROSS-SECTIONAL VIEW

| CABLE LENGTH |      |        |
|--------------|------|--------|
| PART NO.     | FEET | METERS |
| TSPEH01-05M  | 16.4 | 5      |
| TSPEH01-10M  | 32.8 | 10     |

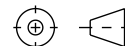
2. MECHANICAL PROPERTIES:
  1. BEND RADIUS:
    1. ≥4X OD WITHOUT LOAD
    2. ≥8X OD WITH LOAD
  2. TEMPERATURE RANGE:
    3. DURING OPERATION: -40°C UP TO 80°C
    4. DURING INSTALLATION: 0°C UP TO 50°C

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]

OVERALL CABLE LENGTH TOLERANCE:  
 ≤12 [305] = +1 [25] / -0  
 >12 [305] ≤60 [1524] = +2 [51] / -0  
 >60 [1524] ≤120 [3048] = +4 [102] / -0  
 >120 [3048] ≤300 [7620] = +6 [152] / -0  
 >300 [7620] = +5% / -0

ALL OTHER DIMENSIONAL TOLERANCES:  
 .X = ± .2 [5] | FRACTIONS ± 1/32  
 .XX = ± .02 [.5] | ANGLES ± 1°  
 .XXX = ± .005 [.13]

THIRD-ANGLE PROJECTION



| APPROVALS              | DATE       |
|------------------------|------------|
| DRAWN BY SREITER       | 06/15/2023 |
| CHECKED BY DGUST       | 06/15/2023 |
| APPROVED BY GUTTADAURO | 06/15/2023 |

**L-com**  
an INFINIT® brand

50 High Street, West Mill,  
North Andover, MA 01845 USA.  
Phone: 1.800.341.5266  
1.978.682.6936

CATEGORY: **BULK CABLE**

PRODUCT DESCRIPTION: SINGLE PAIR ETHERNET HYBRID (SPE) BULK SF/TP 22AWG STRANDED DATA PAIR + 2X18AWG POWER, TPU GREEN, PER METER

| SIZE | CAGE CODE | ITEM NO. | REV. |
|------|-----------|----------|------|
| A    | 43321     | TSPEH01  | A    |

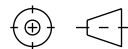

SCALE: NONE | CAD FILE: TSPEH01.SLDDRW | SHEET 1 OF 2

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| REVISION |     |                 |            |            |            |
|----------|-----|-----------------|------------|------------|------------|
| ZONE     | REV | DESCRIPTION     | DATE       | CHANGED BY | APPROVED   |
|          | A   | INITIAL RELEASE | 06/15/2023 | SREITER    | GUTTADAURO |

1. TRANSMISSION PERFORMANCE ACC. TO IEC 61156-12 (AT 20°C / 100 m):

|     | FREQUENCY | IMPEDANCE (Ω) | INSERTION LOSS (dB) MAX. | RETURN LOSS (dB) MIN. | PROPAGATION DELAY (ns) MAX. |
|-----|-----------|---------------|--------------------------|-----------------------|-----------------------------|
| 1.  | 1         | 100 ±15       | 3.1                      | 20.0                  | 570                         |
| 2.  | 4         | 100 ±15       | 5.6                      | 23.0                  | 552                         |
| 3.  | 10        | 100 ±15       | 8.7                      | 25.0                  | 545                         |
| 4.  | 16        | 100 ±15       | 11.0                     | 25.0                  | 543                         |
| 5.  | 20        | 100 ±15       | 12.2                     | 25.0                  | 542                         |
| 6.  | 31.25     | 100 ±15       | 15.5                     | 23.2                  | 541                         |
| 7.  | 62.5      | 100 ±15       | 21.8                     | 20.8                  | 538                         |
| 8.  | 100       | 100 ±15       | 27.8                     | 19.0                  | 538                         |
| 9.  | 125       | 100 ±15       | 31.2                     | 18.2                  | 537                         |
| 10. | 200       | 100 ±15       | 39.7                     | 16.4                  | 537                         |
| 11. | 250       | 100 ±15       | 44.6                     | 15.6                  | 536                         |
| 12. | 300       | 100 ±15       | 49.0                     | 15.6                  | 536                         |
| 13. | 500       | 100 ±15       | 64.1                     | 15.6                  | 536                         |
| 14. | 600       | 100 ±15       | 70.7                     | 15.6                  | 536                         |

|   |                           |                           |   |  |
|---|---------------------------|---------------------------|---|--|
| <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]</p> <p>OVERALL CABLE LENGTH TOLERANCE:<br/>           ≤12 [305] = +1 [25] / -0<br/>           &gt;12 [305] ≤60 [1524] = +2 [51] / -0<br/>           &gt;60 [1524] ≤120 [3048] = +4 [102] / -0<br/>           &gt;120 [3048] ≤300 [7620] = +6 [152] / -0<br/>           &gt;300 [7620] = +5% / -0</p> <p>ALL OTHER DIMENSIONAL TOLERANCES:<br/>           .X = ± .2 [5]   FRACTIONS ± 1/32<br/>           .XX = ± .02 [.5]   ANGLES ± 1°<br/>           .XXX = ± .005 [.13]</p> <p>THIRD-ANGLE PROJECTION</p>  | APPROVALS                 | DATE                      |  <p>50 High Street, West Mill,<br/>North Andover, MA 01845 USA.<br/>Phone: 1.800.341.5266<br/>1.978.682.6936</p> |  |
|   | DRAWN BY<br>SREITER       | 06/15/2023                |   | <p>CATEGORY</p> <p><b>BULK CABLE</b></p> |
|   | CHECKED BY<br>DGUST       | 06/15/2023                |   |  |
|   | APPROVED BY<br>GUTTADAURO | 06/15/2023                |   |  |
| CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY  | PRODUCT DESCRIPTION       |                           | <p>SINGLE PAIR ETHERNET HYBRID (SPE) BULK SF/TP 22AWG STRANDED DATA PAIR + 2X18AWG POWER, TPU GREEN, PER METER</p>  |  |
| COLOR VARIATIONS MAY OCCUR  | SIZE<br><b>A</b>          | CAGE CODE<br><b>43321</b> |   | ITEM NO.<br><b>TSPEH01</b>               |
| SCALE: NONE   |                           | CAD FILE: TSPEH01.SLDDRW  |   | SHEET 2 OF 2                             |