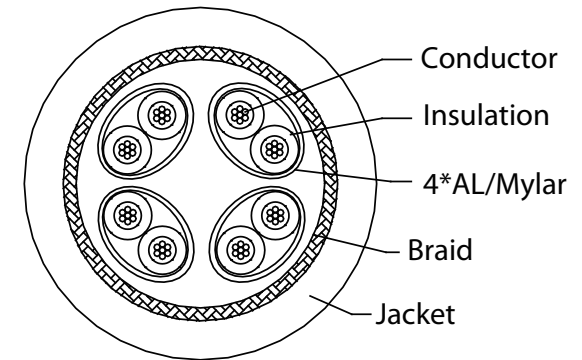


| Rev. | Description | Date    |
|------|-------------|---------|
| A    |             | 05-2021 |

Construction & Material :

| Item       | Unit   | Specification  |
|------------|--|--|
| Product    |  | CAT.6A SFTP 4P CMH Rated   |
| Conductor  | Size   | AWG 26   |
|            | Number   | pairs 4  |
|            | Material   | Bare Copper  |
|            | Construction   | pcs/mm 7/0.16±0.008  |
| Insulation | Material   | PE   |
|            | Avg.thickness  | mm 0.18  |
|            | Diameter   | mm 1.00±0.05   |
|            | Color  | Blue-White/Blue Orange-White/Orange<br>Green-White/Green Brown-White/Brown |
| Shielding  | Material   | AL/Mylar   |
| Twisting   | Construction   | See Cross Section  |
| Cabling    | Construction   | See Cross Section  |
| Braiding   | Material   | 85% Coverage   |
| Jacket     | Material   | PVC  |
|            | Avg.thickness  | mm 0.58  |
|            | Overall Diameter   | mm 6.00±0.20   |
|            | Color  | By Order   |
| Marking    | TYPE CM 75°C (UL)E467139 LAN CABLE CAT6A SFTP STRANDED 26AWG 4PAIRS<br>ANSI/TIA-568-C.2 0002FT...0004FT...0250FT...0500FT...1000FT |  |

Cross Section



Color Options

- 21 Gray
- 22 Black
- 61 Blue



|              |  |  |
|--------------|--|--|
| Item Number: | 13X6-5xxMH   |  |
| Title:       | Bulk Shielded Cat6a Ethernet Cable, Stranded, SFTP, 500Mhz, 26 AWG, Spool, 1000 foot |  |
| Drawn by:    | JL   |  |
| Approved by: | MAC  |  |
| ID:          | 280  |  |

|     |                |
|-----|----------------|
| No. | Specifications |
|-----|----------------|

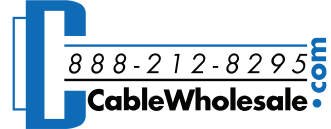
Electrical Property :

| Rev. | Description | Date    |
|------|-------------|---------|
| A    |             | 05-2021 |

| Item                           | Unit                   | Standard                     |      |         |      |         |            |         |
|--------------------------------|------------------------|------------------------------|------|---------|------|---------|------------|---------|
| D-C Conductor Resistance @20°C | Ohms/100M              | ≤ 9.38                       |      |         |      |         |            |         |
| D-C Resistance Unbalance @20°C | %                      | ≤ 2                          |      |         |      |         |            |         |
| Mutual Capacitance             | nF/100 Meters          | ≤ 5                          |      |         |      |         |            |         |
| Capacitance Unbalance          | pF/100 Meters          | ≤ 330                        |      |         |      |         |            |         |
| Characteristic Impedance       | 100MHz                 | 100 ± 5 Ohm                  |      |         |      |         |            |         |
| Input Impedance                | 4-500MHz<br>100-500MHz | 100 ± 15 Ohm<br>100 ± 22 Ohm |      |         |      |         |            |         |
| Temperature Rating             | °C                     | -10~+75                      |      |         |      |         |            |         |
| Frequency                      | Return Loss            | Insertion Loss (Solid)       | NEXT | PS-NEXT | ACRF | PS-ACRF | Prop.Delay | PS NEXT |
| 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    |



| Physical Properties   | Insulation | Tens Strength (before aging) | Kgf/mm <sup>2</sup> | >1.68 |
|-----------------------|------------|------------------------------|---------------------|-------|
|                       |            | Tens Strength (after aging)  | Kgf/mm <sup>2</sup> |       |
|                       |            | Elongation (before aging)    | %                   | >300% |
|                       |            | Elongation (after aging)     | %                   |       |
|                       | Jacket     | Tens Strength (before aging) | Kgf/mm <sup>2</sup> | >1.41 |
|                       |            | Tens Strength (after aging)  | Kgf/mm <sup>2</sup> |       |
|                       |            | Elongation (before aging)    | %                   | >100% |
|                       |            | Elongation (after aging)     | %                   |       |
| Insulation Shrinkback |            |                              | 121°C x1hr          |       |
| Insulation Cold Bend  |            |                              | -20°C x4hr          |       |
| Jacket Cold Bend      |            |                              | -20°C x4hr          |       |

|              |  |   |
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