

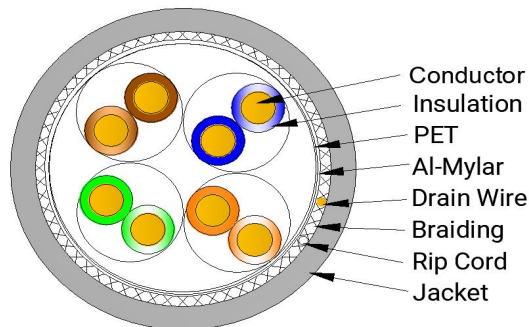


### Product Specification

#### Specification:

| Item         | Unit         | Spec. Value       |  |
|--------------|--------------|-------------------|--|
| Conductor    | Wire No.     | 4P                |  |
|              | Material     | Solid Bare Copper |  |
|              | Construction | No./mm            | 0.51±0.02  |
| Insulation   | Material     | PE                |  |
|              | Diameter     | mm                | 1.02±0.05  |
|              | Color        | ---               | 1.Blue&White Blue 2.Orange&White Orange<br>3.Green&White Green 4.Brown&White Brown |
| Tape Wrap    | Material     | /                 | PET 100% Coverage  |
| Foil Shield  | Spec         | mm                | AL-Mylar 100% Coverage   |
| Drain Wire   | Material     | ---               | Tinned copper  |
|              | Spec         | ---               | 0.4±0.05mm   |
| Braid Shield | Material     | ---               | Al-Mg >40% Coverage  |
| Rip cord     | ---          | /                 | Yes  |
| Jacket       | Material     | ---               | PVC  |
|              | Color        | ---               | Assorted upon request  |
|              | Thickness    | mm                | 0.55±0.1   |
|              | Diameter     | mm                | 6.6±0.3  |

#### Sketch:



#### Application:

1: Material : Comply RoHS

#### Mechanical Specification :

|                             |          |
|-----------------------------|----------|
| Conductor Elongation        | ≥10%     |
| Insulation Tensile Strength | ≥16.5Mpa |
| Insulation Elongation       | ≥300%    |
| Jacket Tensile Strength     | ≥13.8Mpa |
| Jacket Elongation           | ≥100%    |

# S/FTP CAT5e 24AWGx4P PVC



## LAN cable

### Electrical Specifications:

|                             |                        |
|-----------------------------|------------------------|
| Impedance                   | 100±15Ω ( 1.0-100Mhz ) |
| Conductor Resistance @20° C | Max.9.38Ω/100m         |
| DC Resistance Unbalance     | Max.5%                 |
| Insulation Resistance       | Min. 5000 MΩ*Km        |
| Delay Skew                  | Max.45ns/100m          |

### HIGH FREQUENCY ELECTRICAL PERFORMANCE:(at 20° C 100m )

| Frequency<br>( MHz ) | ATT<br>( ≤dB ) | NEXT<br>( ≥dB ) | PSNEXT<br>( ≥dB ) | ELFEXT<br>( ≥dB ) | PS ELFEXT<br>( ≥dB ) | RL<br>( ≥dB ) | Spread out<br>100m<br>cable and<br>test it |
|----------------------|----------------|-----------------|-------------------|-------------------|----------------------|---------------|--|
| 1.00                 | 2.0            | 65.3            | 62.3              | 63.8              | 60.8                 | 20.0          |  |
| 4.00                 | 4.1            | 56.3            | 53.3              | 51.8              | 48.8                 | 23.0          |  |
| 8.00                 | 5.8            | 51.8            | 48.8              | 45.7              | 42.7                 | 24.5          |  |
| 10.00                | 6.5            | 50.3            | 47.3              | 43.8              | 40.8                 | 25.0          |  |
| 16.00                | 8.2            | 47.2            | 44.2              | 39.7              | 36.7                 | 25.0          |  |
| 20.00                | 9.3            | 45.8            | 42.8              | 37.8              | 34.8                 | 25.0          |  |
| 25.00                | 10.4           | 44.3            | 41.3              | 35.8              | 32.8                 | 24.3          |  |
| 31.25                | 11.7           | 42.9            | 39.9              | 33.9              | 30.9                 | 23.6          |  |
| 62.50                | 17.0           | 38.4            | 35.4              | 27.9              | 24.9                 | 21.5          |  |
| 100.00               | 22.0           | 35.3            | 32.3              | 23.8              | 20.8                 | 20.1          |  |