



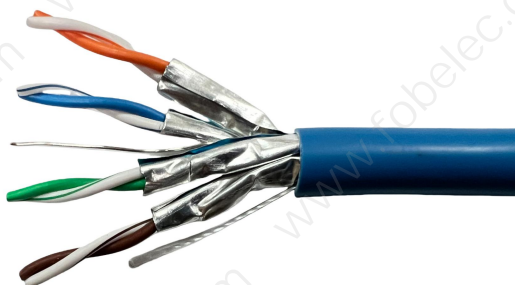
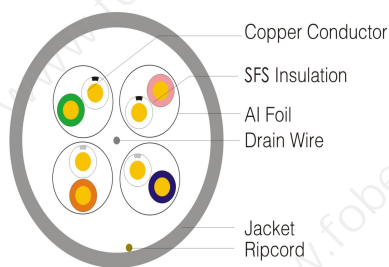
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Cable Type: NETWORK CABLE U/FTP CAT6A

Product Structure



Physical Dimensions

| Construction | Detail Specification |
|-----------------|--|
| Inner Conductor | 0.57mm (23AWG) Bare Copper |
| Insulation | 1.30+/-0.02mm HDPE |
| 4 Pairs | 1.(White)(Blue)/(Blue) 2.(White)(Green)/(Green) 3.(White)(Brown)/(Brown) 4.(White)(orange)/(Orange) |
| Shielded | Aluminum Foil Shielded each Pair |
| Drain Wire | 0.4mm Tinned Copper |
| Outer Jacket | 7.3+0.3mm Jacket LSZH |

Electrical Characteristics

| Conductor Resistance (20℃) | | ≤7.5 Ω/ 100m | | | | | |
|--|---------|---------------|---------------|-----------------|--------------------|-------------------|----------------------|
| Electrical Resistance Unbalance (20℃) | | ≤2.5 % | | | | | |
| Insulation Resistance | | >5000 MΩ·km | | | | | |
| Mutual capacitance of a pair | | ≤5.6nF/100m | | | | | |
| Frequency (MHz) | Zc Ω | IL dB/100m | RL dB/100m | NEXT dB/100m | PS NEXT ns/100m | ELFEXT dB/100m | PS ELFEXT dB/100m |
| 1 | 100±15 | ≤2.0 | ≥20.0 | ≥74.3 | ≥72.3 | ≥67.8 | ≥64.8 |
| 4 | | ≤3.8 | ≥23.0 | ≥65.3 | ≥63.3 | ≥55.8 | ≥52.8 |
| 10 | | ≤5.9 | ≥25.0 | ≥59.3 | ≥57.3 | ≥47.8 | ≥44.8 |
| 16 | | ≤7.5 | ≥25.0 | ≥56.2 | ≥54.2 | ≥43.7 | ≥40.7 |
| 20 | | ≤8.4 | ≥25.0 | ≥54.8 | ≥52.8 | ≥41.8 | ≥38.8 |
| 31.25 | | ≤10.5 | ≥23.6 | ≥51.9 | ≥49.9 | ≥37.9 | ≥34.9 |
| 62.5 | | ≤14.9 | ≥21.5 | ≥47.4 | ≥45.4 | ≥31.9 | ≥28.9 |
| 100 | | ≤19.0 | ≥20.1 | ≥44.3 | ≥42.3 | ≥27.8 | ≥24.8 |
| 200 | | ≤27.5 | ≥18.0 | ≥39.8 | ≥37.8 | ≥21.8 | ≥18.8 |
| 250 | | ≤31.0 | ≥17.3 | ≥38.3 | ≥36.3 | ≥19.8 | ≥16.8 |
| 300 | | ≤34.2 | ≥17.3 | ≥37.1 | ≥34.1 | ≥18.3 | ≥15.3 |
| 500 | | ≤45.3 | ≥17.3 | ≥33.8 | ≥30.8 | ≥13.8 | ≥10.8 |

Environment Temperature

Environment Temperature Store 0 ~ 40℃

Work -20 ~ 60℃

Test Standard

ANSI/TIA-568-C.2, ISO / IEC 11801, IEC 61156, BS EN 50288