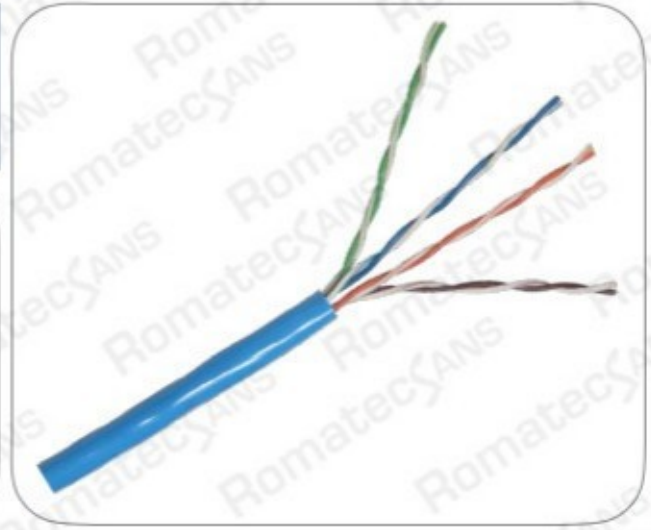


TECHNICAL SPECIFICATION

COPPER CAT. 6 UTP CABLE

We have a complete structured cabling solution, where our products are manufactured under the UL and ETL standards. We provide to our customers 25 years guarantee on our structured cabling solution.



| | |
|--|------------------------------|
| Standards | ISO/IEC 11801 |
| | TIA/EIA568B |
| Multi construction | 4 Pairs (8 cores) |
| AWG | 23 |
| Conductor Diameter (mm) | 0.48 ± 0.005 |
| Conductor Material | Solid Bare Copper |
| Insulation | HDPE |
| Thickness (mm) | AVG: 0.22 ± 0.03 (MIN. 0.2) |
| Insulation Diameter | 1.00 ± 0.05 |
| Ripcord | Cotton (Customized) |
| Jacket | PVC / LSZH |
| Jacket Thickness (mm) | AVG: 0.50 ± 0.05 (MIN: 0.40) |
| Outer Diameter (mm) | 6.2 ± 0.2 |
| Jacket Color | Customized |
| Max. Conductor DC Resistance at 20°C (Ω/Km) | 73.2 |
| Rated Temperature (°C) | 75 |
| Rated Voltage (V) | 300V |
| Velocity Ratio | 65% |

HONG KONG

Romatecsans International Limited
7/F., Catic Building, No. 44 Tsun Yip
Street, Kowloon, Hong Kong
Tel. +852 8199 9706
asia@romatecsans.com

CHILE

Importadora y Exportadora Romatecsans Ltda.
Carmen Farina 6758, Vitacura,
Santiago, Chile
Tel.: +56 22 9797 922
ventas@romatecsans.com

sales@romatecsans.com
www.romatecsans.com



| Performance | | | | |
|-----------------|--------------|----------------------------|----------------|------------------|
| Frequency (MHz) | RL (dB) min. | Attenuation (dB/100m) max. | NEXT (dB/100m) | PSNEXT (dB/100m) |
| 1 | 20.0 | 2.0 | 74.3 | 72.3 |
| 4 | 23.0 | 3.8 | 65.3 | 63.3 |
| 8 | 24.5 | 5.3 | 60.8 | 58.5 |
| 10 | 25.0 | 6.0 | 59.3 | 57.3 |
| 16 | 25.0 | 7.6 | 56.2 | 54.2 |
| 20 | 25.0 | 8.5 | 54.8 | 52.8 |
| 25 | 24.3 | 9.5 | 53.3 | 51.3 |
| 31.25 | 23.6 | 10.7 | 51.9 | 49.9 |
| 62.5 | 21.5 | 15.4 | 47.4 | 45.4 |
| 100 | 20.1 | 19.8 | 44.3 | 42.3 |
| 150 | 18.9 | 24.7 | 41.7 | 39.7 |
| 200 | 18.0 | 29.0 | 39.8 | 37.8 |
| 250 | 17.3 | 32.8 | 38.3 | 36.3 |

| Frequency (MHz) | ELFEXT (dB) | PSELFEXT (dB/100m) | Impedance (Ohm) |
|-----------------|-------------|--------------------|-----------------|
| 1 | 67.8 | 64.8 | 100 ± 15 |
| 4 | 55.8 | 52.8 | |
| 8 | 49.7 | 46.7 | |
| 10 | 47.8 | 44.8 | |
| 16 | 43.7 | 36.91 | |
| 20 | 41.8 | 40.7 | |
| 25 | 39.8 | 38.8 | |
| 31.25 | 37.9 | 36.8 | |
| 62.5 | 31.9 | 34.9 | |
| 100 | 27.8 | 28.9 | |
| 150 | 24.3 | 24.8 | |
| 200 | 21.8 | 18.8 | |
| 250 | 19.8 | 16.8 | |

ORDERING INFORMATION

| Model | Category | Type | Color | Jacket | Length (m) | |
|-------|----------|------|-------|----------|------------|-------|
| LC | 5e | 1 | UUTP | 1 Yellow | A LSZH | L 500 |
| | | 2 | FUTP | 2 Blue | B PVC | S 305 |
| | 6a | 3 | UFTP | 3 White | | |
| | | 4 | FFTP | 4 Metal | | |
| | | 5 | SUTP | 5 Red | | |
| | | 6 | SFTP | 6 Green | | |

ORDERING INFORMATION EXAMPLE

| | | | | | |
|----|----|---|---|---|---|
| LC | 6a | 6 | 3 | A | S |
|----|----|---|---|---|---|

HONG KONG

Romatecsans International Limited
7/F., Catic Building, No. 44 Tsun Yip
Street, Kowloon, Hong Kong
Tel. +852 8199 9706
asia@romatecsans.com

CHILE

Importadora y Exportadora Romatecsans Ltda.
Carmen Farina 6758, Vitacura,
Santiago, Chile
Tel.: +56 22 9797 922
ventas@romatecsans.com

sales@romatecsans.com
www.romatecsans.com

