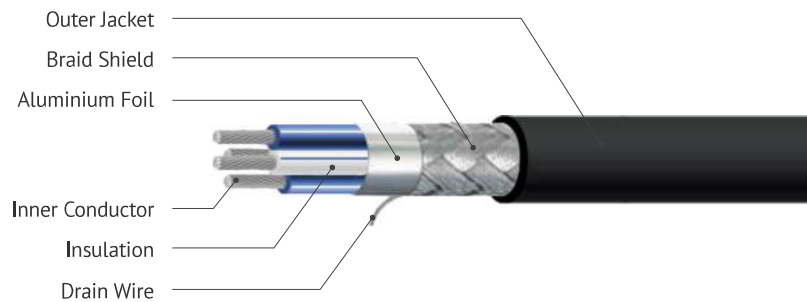


Description

- 24AWG (7/0.2) TC conductor
- HDPE ID1.8, twisted pair
- 2 cores twisting, total 2 pairs (4 cores)
- Color: Blue/White, White/Blue
- Black PVC jacket

Applications

- Low capacitance Full Duplex, RS-485 High Speed Data



Physical Characteristics (Overall)

| | |
|------------------------|--------------------------|
| Inner Conductor | Tinned Copper |
| AWG | 24 |
| Stranding | 7/0.2 |
| Core | 4 |
| Drain Wire | Tinned Copper |
| Insulation | HDPE ID1.8 |
| Insulation Diameter | 0.6mm |
| Outer Shield | Braid TC Copper |
| Coverage | 90% |
| | Tape Aluminium Foil |
| Coverage | 100% |
| Outer Jacket | PVC - Polyvinyl Chloride |
| Outer Jacket Thickness | 0.8mm |
| Pair Color | Blue/White, White/Blue |

Mechanical Characteristics (Overall)

| | |
|----------------------------------|---------------|
| Operating Temperature Range | -30°C ~ +60°C |
| Non-UL Temperature Rating | 80°C |
| Bulk Cable Weight | 53.575kg/km |
| Max. Recommended Pulling Tension | 321.605N |
| Min. Bend Radius/Minor Axis | 63.500 mm |
| Suitability | Indoor |
| Plenum (Y/N) | No |

Electrical Characteristics (Overall)

| | |
|---|--------------------|
| Nom. Characteristic Impedance | |
| Impedance | 120Ω |
| Nom. Capacitance Conductor to Shield | |
| Capacitance | 41.9968pF/m |
| Nominal Velocity of Propagation | |
| VP | 66% |
| Nominal Delay | |
| Delay | 5.2496ns/m |
| Nom. Conductor DC Resistance | |
| DCR @ 20°C | 78.744Ω/km |
| Nominal Outer Shield DC Resistance | |
| DCR @ 20°C | 11.1554Ω/km |
| Min. Structural Return Loss (5-950MHz) | 21.dB |
| Min. Structural Return Loss (950-3000MHz) | 18dB |
| Nom. Attenuation Frequency (MHz) | 1.000MHz |
| Nom. Attenuation (dB/100m) | 1969dB/100m |
| Max. Operation Voltage - UL | 300V RMS Type CM |
| | 300V RMS AWM2919 |
| Max. Recommended Current | 2.1A per conductor |
| | 25° ambient |