

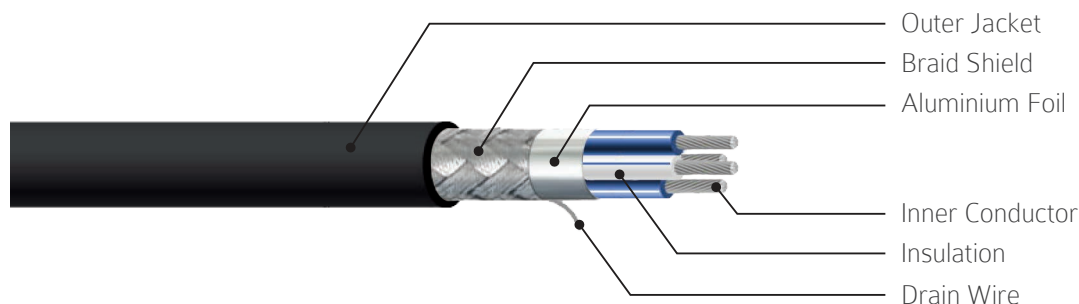
DATA COMMUNICATION

ODRS4224

EIA-485 2Pairs Multi Conductor Cable

ODRS4224 24AWG 2Pairs Multi Conductor EIA-485 Cable

Cross Section



Description

24AWG 2Pairs EIA-485 Cable

- 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.

Application

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

Mechanical Characteristics (Overall)

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

Electrical Characteristics (Overall)

| | |
|--|--------------------|
| Nom. Characteristics Impedance | 120 Ohms |
| Nom. Capacitance Conductor to Shield | 41.9968pF/m |
| Nom. Velocity of Propagation | 66% |
| Nom. Delay | 5.2496ns/m |
| Nom. Conductor DC Resistance @ 20 Deg.C | 78.744Ohms/km |
| Nom. Outer Shield DC Resistance @ 20 Deg.C | 11.1554Ohms/km |
| Min. Structural Return Loss (5~950 MHz) | 21 dB |
| Min. Structural Return Loss (950~3000 MHz) | 18 dB |
| Nom. Attenuation Frequency (Mhz) | 1.000Mhz |
| Nom. Attenuation (dB/100m) | 1.969dB/100m |
| Max. Operation Voltage - UL | 300V RMS Type CM |
| | 300V RMS AWM2919 |
| Max. Recommended Current | 2.1A per conductor |
| | 25° ambient |

Physical Characteristics (Overall)

| | |
|------------------------|---------------------------------|
| Inner Conductor | Tinned Copper |
| AWG | 24 |
| Stranding | 7/0.2 |
| Core | 4 Cores |
| 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 | 0.88mm |
| Pair | |
| Color | Blue/White, White/Blue |