

# 70031 - AUDIO ANALOG 1 PAIR, 22AWG, ISTP, LSZH

Item: 20119433



| Product Overview                                |                         |                                                                   |                        |                  |                              |                      |
|-------------------------------------------------|-------------------------|-------------------------------------------------------------------|------------------------|------------------|------------------------------|----------------------|
| Suitable Applications                           |                         | 1-pair 22AWG halogen-free screened pair cable; For analogue audio |                        |                  |                              |                      |
| Physical Characteristics (Overall)              |                         |                                                                   |                        |                  |                              |                      |
| CONDUCTOR                                       |                         |                                                                   |                        |                  |                              |                      |
| AWG                                             | Stranding               | Material                                                          | Construction n x D     |                  |                              |                      |
| 22                                              | 7x30                    | BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)             | 7x0.25 mm              |                  |                              |                      |
| Conductor Count                                 |                         | 2                                                                 |                        |                  |                              |                      |
| Total Number of Pairs                           |                         | 1                                                                 |                        |                  |                              |                      |
| INSULATION                                      |                         |                                                                   |                        |                  |                              |                      |
| Type                                            | Material                | Nominal Diameter                                                  | Diameter +/- Tolerance |                  |                              |                      |
| Insulation                                      | PE - Polyethylene       | 1.16 mm                                                           | 0.05 mm                |                  |                              |                      |
| COLOR CHART                                     |                         |                                                                   |                        |                  |                              |                      |
| Number                                          |                         | Color                                                             |                        |                  |                              |                      |
| Pair 1                                          |                         | Red & Black                                                       |                        |                  |                              |                      |
| OUTER SHIELD                                    |                         |                                                                   |                        |                  |                              |                      |
| Type                                            | Material                | Coverage [%]                                                      | Drainwire Material     | Drainwire AWG    | Drainwire Construction n x D | Drainwire Position   |
| Tape                                            | Bi-Laminate (Alum+Poly) | 100%                                                              | TC - Tinned Copper     | 22               | 7x0.25 mm                    | Under shielding foil |
| OUTER JACKET                                    |                         |                                                                   |                        |                  |                              |                      |
| Material                                        |                         |                                                                   |                        | Nominal Diameter | Diameter +/- Tolerance       |                      |
| LSZH - Low Smoke Zero Halogen (Flame Retardant) |                         |                                                                   |                        | 3.50 mm          | 0.20 mm                      |                      |
| Construction and Dimensions                     |                         |                                                                   |                        |                  |                              |                      |
| CABLING                                         |                         |                                                                   |                        |                  |                              |                      |
| Description                                     |                         |                                                                   |                        |                  |                              |                      |
| 1 pair                                          |                         |                                                                   |                        |                  |                              |                      |

## Electrical Characteristics

### CONDUCTOR DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 46.0 Ohm/km           | 46.9 Ohm/km              |

### CAPACITANCE

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|-----------------------------------------|--------------------------------------|
| 115 pF/m                                | 220 pF/m                             |

### INDUCTANCE

| Nominal Inductance |
|--------------------|
| 0.56 $\mu$ H/m     |

### VOLTAGE

| Non-UL Voltage Rating |
|-----------------------|
| 100 V                 |

### Temperature Range

| Other Temp Range | -30 to +70 °C |
|------------------|---------------|
|------------------|---------------|

### Mechanical Characteristics

|                                      |         |
|--------------------------------------|---------|
| Max. Pull Tension                    | 120 N   |
| Min. Bend Radius During Installation | 35 mm   |
| Min Setting Radius                   | 17.5 mm |

### Standards

|               |     |
|---------------|-----|
| CPR Euroclass | Eca |
|---------------|-----|

### Applicable Environmental and Other Programs

|                     |                        |
|---------------------|------------------------|
| Environmental Space | Indoor - Euroclass Eca |
|---------------------|------------------------|

### Flammability, LSOH, Toxicity Testing

|                                                           |                |
|-----------------------------------------------------------|----------------|
| IEC Flammability                                          | IEC 60332-1-2  |
| LOI of Jacket                                             | Min. 34 %      |
| IEC 60754-1 - Halogen Amount                              | Zero           |
| IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity | 2.5 $\mu$ S/mm |
| IEC 60754-2 - Halogen Acid Gas Amount - Min. pH           | 4.3            |

### History

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Update and Revision | Revision Number: 0.176 Revision Date: 02-15-2024 |
|---------------------|--------------------------------------------------|