



Product: [70030CH](#)

AUDIO ANALOG 1 PAIR, 24AWG, ISTP, LSZH-C

Product Description

ANALOG AUDIO 1 PAIR, 24AWG/0.22mm², ISTP, LSZH-C

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | 1-pair 24AWG halogen-free screened pair cable; For analogue audio |
|------------------------|---|

Physical Characteristics (Overall)

| Conductor | | | |
|------------------------|-----------|---|--------------------|
| AWG | Stranding | Material | Construction n x D |
| 24 | 7x32 | BC-OFHC - Oxygen-Free Bare Copper (High Conductivity) | 7x0.20 mm |
| Conductor Count: | | 2 | |
| Total Number of Pairs: | | 1 | |

| Insulation | | | |
|------------|-------------------|------------------|------------------------|
| Type | Material | Nominal Diameter | Diameter +/- Tolerance |
| Insulation | PE - Polyethylene | 1.02 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 | 24 | 7x0.20 mm | Under shielding foil |

| Outer Jacket | | |
|---|------------------|------------------------|
| Material | Nominal Diameter | Diameter +/- Tolerance |
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 3.10 mm | 0.10 mm |

Construction and Dimensions

| Cabling | |
|-------------|--------|
| Description | 1 pair |

Electrical Characteristics

| Conductor DCR | |
|-----------------------|--------------------------|
| Nominal Conductor DCR | Nominal Outer Shield DCR |
| 88.5 Ohm/km | 52.0 Ohm/km |

| Capacitance | |
|---|--------------------------------------|
| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |

| | |
|---------|----------|
| 92 pF/m | 180 pF/m |
|---------|----------|

Inductance

| |
|--------------------|
| Nominal Inductance |
| 0.75 µH/m |

Temperature Range

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

Mechanical Characteristics

| | |
|---------------------------------------|---------|
| Max. Pull Tension: | 70 N |
| Min. Bend Radius During Installation: | 31 mm |
| Min Setting Radius: | 15.5 mm |

Standards

| | |
|----------------|--------------|
| CPR Euroclass: | Dca-s2,d1,a1 |
|----------------|--------------|

Applicable Environmental and Other Programs

| | |
|----------------------|------------------------|
| Environmental Space: | Indoor - Euroclass Dca |
|----------------------|------------------------|

Flammability, LSOH, Toxicity Testing

| | |
|--|-------------------------------|
| IEC Flammability: | IEC 60332-1-2, IEC 60332-3-24 |
| IEC 60754-1 - Halogen Amount: | Zero |
| IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity: | 2.5 µS/mm |
| IEC 60754-2 - Halogen Acid Gas Amount - Min. pH: | 4.3 |
| IEC 61034-2 - Smoke Density Min. Transmittance: | 60% |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|---------------|-------|-------------|--------|---------------|
| 70030CH.00500 | Green | Reel | 500 m | 8719605009562 |

History

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| Update and Revision: | Revision Number: 0.185 Revision Date: 02-15-2024 |
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