



REPRESENTATIVE IMAGE

Product: [1502P](#)

Media Control, 1 Pair 22 AWG TC, 2 Cond. 18 AWG, Plenum

Product Description

Multimedia Control Cable, 1 Pair 22 AWG stranded (7x30) tinned copper (data) with foam FEP insulation, Beldfoil® shield w/ drain, 2 Conductor 18 AWG stranded (16x30) tinned copper conductor (power) with Flamarrest® insulation, Plenum, Flamarrest® jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Multi-Media & Lighting Automation / Control, AMX™ and Crestron® Control Systems |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1 | 22 AWG | 7x30 | TC - Tinned Copper |
| Conductor(s) | 2 | 18 AWG | 19x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|---|--------------------|--------------------------|---------------------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene (Foam) | 0.023 in (0.58 mm) | 0.074 in (1.9 mm) | Blue & White, Red & Black |
| Conductor(s) | PVC - Polyvinyl Chloride | 0.011 in (0.28 mm) | 0.068 in (1.7 mm) | Red & Black |

Inner Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Shield

| Material |
|-----------|
| No Shield |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.205 in (5.21 mm) | No |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.205 in (5.21 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current |
|--------------|-------------------------------|-------------------------------|---|-------------------------------|--|
| Pair(s) | 16.3 Ohm/1000ft (53.5 Ohm/km) | 14 pF/ft (46 pF/m) | 38 pF/ft (120 pF/m) | 100 Ohm | 3.8 Amps per Conductor at 25°C (22 AWG); 7.2 Amps per Conductor at 25°C (18 AWG) |
| Conductor(s) | 6.9 Ohm/1000ft (23 Ohm/km) | 29 pF/ft (95 pF/m) | | | |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V |

Mechanical Characteristics

Temperature

| |
|----------------|
| Operating |
| -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.1 in (53 mm) | 2.1 in (53 mm) |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 59.8 lbs |
| Bulk Cable Weight: | 31 lbs/1000ft (46 kg/km) |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, FT6, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 1502R |

Product Notes

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| Notes: | Sequential footage marking every two feet. |
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History

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| Update and Revision: | Revision Number: 0.338 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|---------|--------------|-----------|--------------|
| 1502P 010Z500 | Black | ReelTuff Box | 500 ft | 612825435112 |
| 1502P 0101000 | Black | Reel | 1,000 ft | 612825115908 |
| 1502P 010Z1000 | Black | ReelTuff Box | 1,000 ft | 612825435099 |
| 1502P 8771000 | Natural | Reel | 1,000 ft | 612825115915 |
| 1502P 877Z1000 | Natural | ReelTuff Box | 1,000 ft | 612825435105 |
| 1502P 8775000 | Natural | Reel | 5,000 ft | 612825115939 |
| 1502P 87710000 | Natural | Reel | 10,000 ft | 612825115922 |

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