

8788 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1

Description:

22 AWG stranded (7x30) TC conductors, PVC insulation, (3) conductors cabled and separately Beldfoil® Shielded (100% Coverage) with drain wires, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 5 | 22 | 7x30 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .015 |

Insulation Resistance:

100 Megaohms/1000 ft. @ 500 V DC

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) | Conductor Material |
|-------------------------|------|------------------------------|--------------|----------------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | Over Black Conductor |
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | Over Red Conductor |
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | Over Green Conductor |
| | | Unshielded | | Yellow |
| | | Unshielded | | Blue |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 29 |

Inner Shield Drain Wire Stranding:

Solid

Inner Shield Drain Wire Conductor Material:

TCB - Tinned Cadmium Bronze

Inner Shield Filling Compound:

Non-hygroscopic

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .028 |

Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 6.14 | 1.9 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|------------------|
| 1 | Black (shielded) |
| 2 | Red (shielded) |
| 3 | Green (shielded) |
| 4 | Yellow |
| 5 | Blue |

Overall Nominal Diameter:

0.236 in.

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Mechanical Characteristics (Overall)

| | |
|--|-----------------|
| Operating Temperature Range: | -20°C To +60°C |
| Non-UL Temperature Rating: | 60°C |
| Bulk Cable Weight: | 31 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 45.500 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2.500 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|-------------------------|-----|
| NEC/(UL) Specification: | CM |
| EU CE Mark: | Yes |

Flame Test

| | |
|----------------|-------------------------|
| UL Flame Test: | UL1685 UL Loading, VW-1 |
|----------------|-------------------------|

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 34 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 15 |

Nom. Inner Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 38 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 300 V RMS |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 2.1 Amps per conductor @ 25°C |

Notes (Overall)

Notes: (2) Unshielded conductors cabled around a non-hygroscopic filler. Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil® shield coverage. Nom. Capacitance Shield to Shield: 125.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-------------|--------|-------------|--------|-------|------------------|
| 8788 060500 | 500 FT | 15.500 LB | CHROME | | 5 #22 PVC FS PVC |

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