

8787 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



Description:

24 and 22 AWG stranded (7x32 and 7x30) TC conductors, PVC insulation (22 AWG) / polyethylene insulation (24 AWG), cabled in quads, 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 8 | 24 | 7x32 | TC - Tinned Copper |
| 2 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 10

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) | AWG |
|--------------------------|----------------------|-----|
| PE - Polyethylene | .012 | 24 |
| PVC - Polyvinyl Chloride | .015 | 22 |

Insulation Resistance: 100 Megaohms/1000 ft. @ 500 V DC

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® (Z-Fold®) | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Material (Multi-AWG):

| AWG | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) | Description |
|-----|-------------------------|------|------------------------------|--------------|-------------|
| 24 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | Over Quad |
| 24 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | Over Quad |
| 22 | | | Unshielded | | Singles |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Shield Waterblocking Tape: Gray, White, Blue, Green; Brown, Red, Yellow, Orange; White, Blue

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .030 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color | AWG | Group/Cond. Color |
|--------|------------|-----|-------------------|
| 1 | Red Quad | 24 | Red Quad |
| 2 | White | 22 | White |
| 3 | Green Quad | 24 | Green Quad |
| 4 | Blue | 22 | Blue |

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Overall Nominal Diameter: 0.290 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 45 lbs/1000 ft.

Max. Recommended Pulling Tension: 62.200 lbs.

Min. Bend Radius/Minor Axis: 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: VW-1, UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| 24 AWG | 23.9 |
| 22 AWG | 15 |

Nom. Inner Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 5 |

Max. Operating Voltage - Non-UL:

| Voltage |
|-----------|
| 350 V RMS |

Max. Recommended Current:

| Current |
|--|
| 1.5 Amps per conductor @ 25°C (24 AWG); 2.0 Amps per conductor @ 25°C (22 AWG) |

Notes (Overall)

Notes: Inner Beldfoil® shield over 24 AWG quads. Each quad wrapped in transparent polyester tape. Red Beldfoil® shield over one quad, Green Beldfoil® shield over the other. (2) quads and (2) unshielded conductors cabled.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|--------|-------------|--------|-------|---------------------|
| 8787 060U500 | 500 FT | 24.000 LB | CHROME | | 2 #22, 8 #24 FS PVC |
| 8787 060500 | 500 FT | 24.000 LB | CHROME | C | 2 #22, 8 #24 FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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