

## 8724 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, one pair Beldfoil® shielded (100% coverage), stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 2       | 22  | 7x30      | TC - Tinned Copper | 0.762     |

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PP - Polypropylene  | 1.168     |

#### Inner Shield

##### Inner Shield Material:

| Layer #  | Inner Shield Trade Name | Type | Inner Shield Material        | Coverage (%) |
|----------|-------------------------|------|------------------------------|--------------|
| 1st Pair | Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |
| 2nd Pair |                         |      | Unshielded                   |              |

##### Inner Shield Drain Wire AWG:

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

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.4826                   |

#### Overall Cable

Overall Nominal Diameter: 4.191 mm

#### Pair

##### Pair Color Code Chart:

| Number | Color                    |
|--------|--------------------------|
| 1      | Shielded Black & Red     |
| 2      | Unshielded Green & White |

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 161.914 N

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|                              |           |
|------------------------------|-----------|
| Min. Bend Radius/Minor Axis: | 44.450 mm |
|------------------------------|-----------|

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                         |    |
|-------------------------|----|
| NEC/(UL) Specification: | CM |
|-------------------------|----|

|                          |    |
|--------------------------|----|
| CEC/C(UL) Specification: | CM |
|--------------------------|----|

|                                    |     |
|------------------------------------|-----|
| EU Directive 2011/65/EU (ROHS II): | Yes |
|------------------------------------|-----|

|             |     |
|-------------|-----|
| 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): | 01/01/2004 |
|---------------------------------------|------------|

|                                 |     |
|---------------------------------|-----|
| 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 |
|-----------------------------|-----|

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

|                 |
|-----------------|
| Impedance (Ohm) |
|-----------------|

|    |
|----|
| 48 |
|----|

#### Nom. Inductance:

|                   |
|-------------------|
| Inductance (µH/m) |
|-------------------|

|         |
|---------|
| 0.55777 |
|---------|

#### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|         |
|---------|
| 111.554 |
|---------|

#### Nom. Capacitance Cond. to Other Conductor & Shield:

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|         |
|---------|
| 219.827 |
|---------|

#### Nominal Velocity of Propagation:

|        |
|--------|
| VP (%) |
|--------|

|    |
|----|
| 66 |
|----|

#### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
|---------------------|

|        |
|--------|
| 49.215 |
|--------|

|   |               |
|---|---------------|
| Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: | 55.777 Ohm/km |
|---|---------------|

#### Max. Operating Voltage - UL:

|         |
|---------|
| Voltage |
|---------|

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

#### Max. Recommended Current:

|         |
|---------|
| Current |
|---------|

|                               |
|-------------------------------|
| 2.3 Amps per conductor @ 25°C |
|-------------------------------|

### Put Ups and Colors:

| Item #        | Putup  | Ship Weight | Color  | Notes | Item Desc              |
|---------------|--------|-------------|--------|-------|------------------------|
| 8724 060U1000 | 305 MT | 9.525 KG    | CHROME |       | 2#22 FS PP,2#22 PP PVC |

## METRIC MEASUREMENT VERSION

### 8724 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

|              |          |           |        |   |                        |
|--------------|----------|-----------|--------|---|------------------------|
| 8724 0601000 | 305 MT   | 9.525 KG  | CHROME | C | 2#22FS PP,2#22 PP PVC  |
| 8724 0605000 | 1,524 MT | 47.627 KG | CHROME |   | 2#22 FS PP,2#22 PP PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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