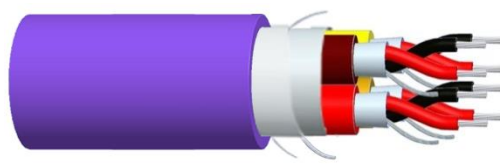


Part No: RW121224VI

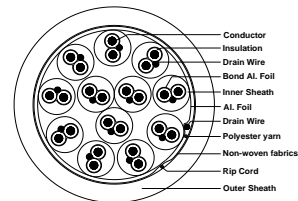
Audio Cable

| | |
|-----------------------|---|
| Description | (7/0.203TC x 1P + Foam PE Insulation + Drain Wire + Bonded Al. Foil + PVC Inner Sheath) x 12C + Al. Foil + Drain Wire + Polyester yarn + Non-woven fabrics + Rip Cord + PVC Outer Sheath O.D 21.6mm |
| Applicable Standards | Reference to Belden 1806F |
| Suitable Applications | Used extensively for Audio systems. *Not intended for direct connection to mains power. |

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description

Conductor 7/0.203+/-0.006TC

Insulation Pairs: 12
Material: Foam PE
Colour: Red/Black
Min. Thickness 0.35mm / Nom. Thickness $\geq 0.5\text{mm}$ / Nom. O.D 1.73+/-0.1mm

Drain Wire 7/0.203+/-0.006TC

Screen Bonded Al. Foil Coverage 100%

Inner Sheath

Material: PVC / Colour: Brown and Numbered 1, Red and Numbered 2, Orange and Numbered 3, Yellow and Numbered 4, Green and Numbered 5, Blue and Numbered 6, Purple and Numbered 7, Grey and Numbered 8, White and Numbered 9, Black and Numbered 10, Light Brown and Numbered 11, Pink and Numbered 12

Min. Thickness 0.24mm / Nom. Thickness $\geq 0.4\text{mm}$ / Nom. Sheath O.D 4.4+/-0.2mm

Spark Voltage: 3000V a.c

| | |
|----------------|--|
| Overall Screen | Al. Foil Coverage 100% |
| Drain Wire | 19/0.3+/-0.006TC |
| Filler | Material : Polyester yarn |
| | Material : Non-woven fabrics |
| | Material : Rip Cord |
| Outer Sheath | Material: PVC / Colour: Violet |
| | Min. Thickness 1.1mm / Nom. Thickness ≥ 1.5 mm / Nom. Sheath O.D 21.6+/-0.5mm Spark Voltage: 3000V a.c |

Electrical Properties

| | | | | | | | | |
|--------------------------------|---------------|--------|--------|-------|-------|--------|--------|-------|
| Rated Voltage | 300V | | | | | | | |
| Conductor Max D.C Resistance | 89ohm/km 20°C | | | | | | | |
| Nom. Characteristic Impedance | 110ohm | | | | | | | |
| Nom. Capac. Conductor to Cond. | 50pF/m (1KHz) | | | | | | | |
| Voltage Test: Core to Core | 1.5kV dc/1min | | | | | | | |
| Voltage Test: Core to Shield | 1.5kV dc/1min | | | | | | | |
| Nom. Attenuation (dB/100m) | (MHz) | 1.024 | 1.4112 | 1.536 | 2.048 | 2.8224 | 3.072 | 4.096 |
| | (dB) | 3.51 | 3.90 | 3.97 | 4.3 | 4.63 | 4.76 | 5.15 |
| | (MHz) | 5.6448 | 6.144 | 8.192 | 11.29 | 12.288 | 24.576 | - |
| | (dB) | 5.77 | 6.0 | 6.6 | 7.35 | 7.54 | 10.1 | - |

Physical Properties

| | |
|-------------------------------|-----------------------------|
| Inner Sheath Elongation | $\geq 100\%$ |
| Inner Sheath Tensile Strength | ≥ 12 N/mm ² |
| Outer Sheath Elongation | $\geq 100\%$ |
| Outer Sheath Tensile Strength | ≥ 12 N/mm ² |

Mechanical Properties

| | |
|-----------------------------|-------------|
| Operating Temperature Range | -20 to 75°C |
|-----------------------------|-------------|

| | |
|----------------------------------|-------------|
| Max. Recommended Pulling Tension | 665N |
| Min. Bend Radius (install) | 216mm |
| Approximate Mass | 47.8kg/100m |
| Sheath Printing | TBA |

Supply Information

| P/N | Pack Size | Pack Type | Dimensions | Qty Per Carton |
|--------------------|-----------|-------------|-------------|----------------|
| GCC1911-0434VT305m | 305m | Wooden Reel | W85 x H56cm | 1R |

| Document Change Record | Issue | Date | Prepared by | Approved By |
|------------------------|-------|------------|-------------|-------------|
| | 01 | 10-01-2020 | YDM | LQM |
| Change History | Issue | Change | | |
| | | | | |