

8740 Multi-Conductor - Audio, Control and Instrumentation Cable



Description:

22 AWG solid tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 22 | Solid | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .010 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .032 |

Overall Cabling

Overall Nominal Diameter: 0.156 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------|
| 1 | Black & Red |

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight: | 11.700 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 15 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 1.750 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2576 (150 V 80°C) |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |

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| | |
|---------------------------------------|------------|
| 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: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 30 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 16.5 |

Max. Operating Voltage - UL:

| |
|-------------------------------|
| Voltage |
| 300 V RMS |
| 150 V RMS (UL AWM Style 2576) |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 2.8 Amps per conductor @ 20°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|---------------|
| 8740 060U1000 | 1,000 FT | 14.000 LB | CHROME | | #22 TW PR PVC |
| 8740 060U500 | 500 FT | 7.500 LB | CHROME | | #22 TW PR PVC |


Unshielded

Telephone Cables

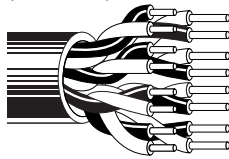
Audio, Control and Instrumentation Cables

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Color Code | Standard Lengths | | Standard Unit Weight | | Insulation Thickness | | Jacket Thickness | | Nominal OD | |
|-------------|----------|------------------------------|--------------------|---------------|------------------|---|-------------------------|----|-------------------------|----|---------------------|----|------------|----|
| | | | | | Ft. | m | Lbs. | kg | Inch | mm | Inch | mm | Inch | mm |

24 AWG Solid Tinned Copper Conductors • Twisted Pairs

| PVC Insulation • Chrome PVC Jacket | | | | | | | | | | | | | | | |
|--|----------------------------------|-------------|--|--|--|---------|---------|------|------|------|------|------|-------|------|------|
|  | UL AWM Style 2576 (150V 80°C) | 9562 | NEC: | 2 | See Chart 4 (Tech Info Section) | U-500 | U-152.4 | 10.5 | 4.8 | .010 | .25 | .032 | .81 | .199 | 5.05 |
| | | | CMG | | | 500 | 152.4 | 9.0 | 4.1 | | | | | | |
| | | | CEC: | | | U-1000 | U-304.8 | 20.0 | 9.1 | | | | | | |
| | | | CMG FT4 | | | 1000 | 304.8 | 18.0 | 8.2 | | | | | | |
| | 9566 | NEC: | 6 | See Chart 4 (Tech Info Section) | U-500 | U-152.4 | 21.5 | 9.8 | .010 | .25 | .032 | .81 | .289 | 7.34 | |
| | | CMG | | | 500 | 152.4 | 23.5 | 10.7 | | | | | | | |
| | | CEC: | | | U-1000 | U-304.8 | 42.0 | 19.1 | | | | | | | |
| | | CMG FT4 | | | 1000 | 304.8 | 45.0 | 20.5 | | | | | | | |
| | 9570 | NEC: | 10 | See Chart 4 (Tech Info Section) | 500 | 152.4 | 31.5 | 14.3 | .010 | .25 | .035 | .89 | .310 | 7.87 | |
| | | CMG | | | 1000 | 304.8 | 63.0 | 28.6 | | | | | | | |
| | | CEC: | | | | | | | | | | | | | |
| | | CMG FT4 | | | | | | | | | | | | | |
| 9585 | NEC: | 25 | See Chart 4 (Tech Info Section) | 500 | 152.4 | 74.0 | 33.6 | .010 | .25 | .040 | 1.02 | .480 | 12.19 | | |
| | CMG | | | 1000 | 304.8 | 144.0 | 65.5 | | | | | | | | |
| | CEC: | | | | | | | | | | | | | | |
| | CMG FT4 | | | | | | | | | | | | | | |

22 AWG Solid Tinned Copper Conductors • Twisted Pairs

| PVC Insulation • Chrome PVC Jacket | | | | | | | | | | | | | | | |
|--|----------------------------------|-------------|--|--|--|---------|---------|------|------|------|------|------|------|------|------|
|  | UL AWM Style 2576 (150V 80°C) | 8740 | NEC: | 1 | See Chart 3 (Tech Info Section) | U-500 | U-152.4 | 7.5 | 3.4 | .010 | .25 | .032 | .81 | .156 | 3.96 |
| | | | CMG | | | U-1000 | U-304.8 | 14.0 | 6.4 | | | | | | |
| | | | CEC: | | | | | | | | | | | | |
| | | | CMG FT4 | | | | | | | | | | | | |
| | 8741 | NEC: | 2 | See Chart 3 (Tech Info Section) | U-500 | U-152.4 | 13.5 | 6.1 | .010 | .25 | .032 | .81 | .230 | 5.84 | |
| | | MPG, CMG | | | U-1000 | U-304.8 | 25.0 | 11.3 | | | | | | | |
| | | CEC: | | | 1000 | 304.8 | 27.0 | 12.2 | | | | | | | |
| | | CMG FT4 | | | | | | | | | | | | | |
| | 8742 | NEC: | 3 | See Chart 3 (Tech Info Section) | 500 | 152.4 | 17.0 | 7.7 | .010 | .25 | .032 | .81 | .242 | 6.15 | |
| | | MPG, CMG | | | U-1000 | U-304.8 | 31.0 | 14.1 | | | | | | | |
| | | CEC: | | | 1000 | 304.8 | 33.0 | 15.0 | | | | | | | |
| | | CMG FT4 | | | | | | | | | | | | | |
| 8757 | NEC: | 4 | See Chart 3 (Tech Info Section) | 500 | 152.4 | 20.0 | 9.1 | .010 | .25 | .032 | .81 | .264 | 6.71 | | |
| | MPG, CMG | | | U-1000 | U-304.8 | 38.0 | 17.2 | | | | | | | | |
| | CEC: | | | 1000 | 304.8 | 40.0 | 18.2 | | | | | | | | |
| | CMG FT4 | | | | | | | | | | | | | | |
| 8743 | NEC: | 6 | See Chart 3 (Tech Info Section) | U-500 | U-152.4 | 26.5 | 12.0 | .010 | .25 | .032 | .81 | .293 | 7.44 | | |
| | MPG, CMG | | | U-1000 | U-304.8 | 51.0 | 23.1 | | | | | | | | |
| | CEC: | | | 1000 | 304.8 | 53.0 | 24.1 | | | | | | | | |
| | CMG FT4 | | | | | | | | | | | | | | |
| 9160 | NEC: | 8 | See Chart 3 (Tech Info Section) | 500 | 152.4 | 35.5 | 16.1 | .010 | .25 | .035 | .89 | .323 | 8.20 | | |
| | MPG, CMG | | | 1000 | 304.8 | 71.0 | 32.3 | | | | | | | | |
| | CEC: | | | | | | | | | | | | | | |
| | CMG FT4 | | | | | | | | | | | | | | |
| 8744 | NEC: | 9 | See Chart 3 (Tech Info Section) | 1000 | 304.8 | 79.0 | 35.9 | .010 | .25 | .035 | .89 | .350 | 8.89 | | |
| | MPG, CMG | | | | | | | | | | | | | | |
| | CEC: | | | | | | | | | | | | | | |
| | CMG FT4 | | | | | | | | | | | | | | |