

PRODUCT DATA SHEET

Part Number: C1352

Revision Level: 06

Date: November 4, 2004

2SP 22 7/30 TC PP / PVC

COMMUNICATION CABLE

A. CONSTRUCTION

DIAMETERS

- | | | |
|------------------|--|-------------------|
| 1) CONDUCTOR: | #22 AWG 7/30 Tinned Copper | 0.030" nom. |
| 2) INSULATION: | 0.007" Wall Polypropylene | 0.044" nom. |
| 3) COLOR CODE: | Black-Red, Green-White | |
| 4) TWIN: | 4 conductors into 2 pairs @ 1.75" LHL with an aluminum/polypropylene tape(foil out) over each pair | 0.120" nom. |
| 5) CABLE: | 2 individually shielded pairs with 24 AWG 7/32 TC drain wire in between pairs | |
| 6) JACKET: | 0.020" Wall Polyvinyl Chloride – Gray <i>-Polyester ripcord under jacket</i> | 0.160" +/- 0.008" |
| 7) PRINT LEGEND: | CAROL (R) 22 AWG -- C1352 -- 90C E111240-8 CM (UL) C(UL) CMH -- MADE IN USA (DATE CODE) | |

B. INDUSTRY APPROVALS

National Electrical Code
UL Standard 444

Article 800
Type CM (UL) C (UL) CMH

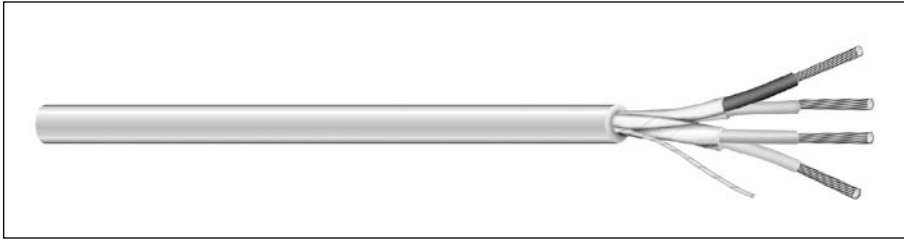
C. ELECTRICAL PROPERTIES

- | | |
|--------------------------------------|--------------------------------|
| 1) TEMPERATURE: | 75 C |
| 2) SUGGESTED WORKING VOLTAGE (Vrms): | 300Vrms |
| 3) CONDUCTOR D.C. RESISTANCE: | 16.6 Ohms/1000 ft. nom. @ 20 C |
| 4) SHIELD RESISTANCE: | 7.2 Ohms/1000 ft. nom. @ 20 C |
| 5) MUTUAL CAPACITANCE: | 30 pF/ft. @ 1kHz nom. |
| 6) GROUND CAPACITANCE: | 55 pF/ft. @ 1kHz nom. |
| 7) CHARACTERISTIC IMPEDANCE: | 60 Ohms @ 1 MHz nom. |

Note: Data are subject to change without notice. Contact your Customer Service representative for latest information.

Multi-Paired, Individually Shielded

UL 2717, UL 2835, NEC Type CM (UL) c(UL), CMH



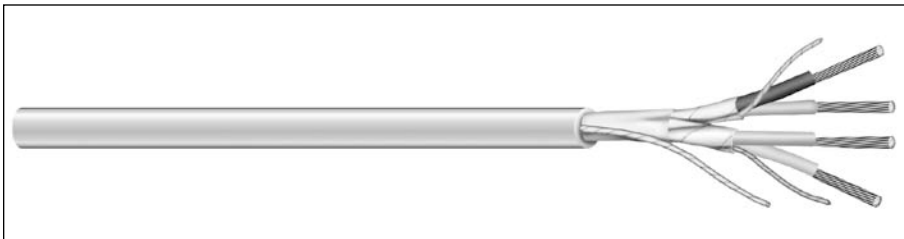
| CATALOG NUMBER | NO. OF PAIRS | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS | | NOM. JACKET THICKNESS | | NOMINAL O.D. | | NOMINAL CAP.* | |
|-----------------------------------|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|---------------|------|
| | | | | INCHES | mm | INCHES | mm | INCHES | mm | A | B |
| NEC Type CM (UL) c(UL) CMH | | | | | | | | | | | |
| C1352A | 2 | 22 | 7/30 | 0.007 | 0.18 | 0.020 | 0.51 | 0.160 | 4.06 | 30.0 | 53.5 |

*A – Capacitance between conductors

*B – Capacitance between one conductor and other conductors connected to shield

Color Code Chart

| NO. OF PAIRS | COLOR |
|--------------|-------------|
| 1 | Black/Red |
| 2 | Green/White |



| CATALOG NUMBER | NO. OF PAIRS | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS | | NOM. JACKET THICKNESS | | NOMINAL O.D. | | NOMINAL CAP.* | |
|---|--------------|----------|--------------|---------------------------|------|-----------------------|------|--------------|------|---------------|------|
| | | | | INCHES | mm | INCHES | mm | INCHES | mm | A | B |
| UL Style 2717, UL Style 2835, CM CMH | | | | | | | | | | | |
| C1353A** | 2 | 22 | 7/30 | 0.010 | 0.25 | 0.028 | 0.71 | 0.208 | 5.28 | 25.0 | 45.0 |

*A – Capacitance between conductors

*B – Capacitance between one conductor and other conductors connected to shield

**Individually shielded with overall shield

Color Code Chart

| NO. OF PAIRS | COLOR |
|--------------|-------------|
| 1 | Black/Red |
| 2 | Green/White |

Product Construction:

Conductor:

- 22 AWG fully annealed stranded tinned copper per ASTM B-33
- Twisted pairs

Insulation:

- Premium-grade, color-coded polypropylene
- Color Code: See chart below

Shield:

- Individually shielded pairs
- 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out
- Stranded tinned copper drain wire

Jacket:

- PVC, gray
- Temperature Range: -20°C to +90°C

Applications:

- Where total isolation of signal is required
- Computers
- Control circuits
- Industrial equipment
- Suggested voltage rating: 300 volts

Features:

- Excellent high frequency properties
- Mechanical durability

Compliances:

- NEC Article 800 Type CM (UL: 75°C, 300V)
- UL Style 2717 (UL: 80°C)
- UL Style 2835 (UL: 60°C, 30V)
- CSA CMH (CSA: 60°C)
- RoHS Compliant Directive 2002/95/EC
- Designed to meet CSA 70,000 BTU Vertical Tray Flame Test
- Passes CSA CMH Flame Test

Packaging:

- Please contact Customer Service for packaging and color options

