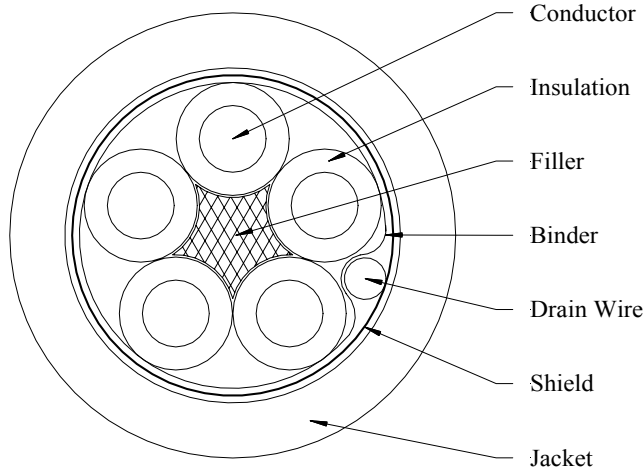


## 5 CONDUCTOR 24 AWG RS-232 CABLE



### CONSTRUCTION

#### Single Component

**Conductor:** 24 AWG 7/32 Tin Plated Copper, 0.024 Inch Diameter

**Insulation:** 0.010 Inches of XPbT, 0.044 Inch Diameter

#### Final Assembly

**Core:** Fibrillated Polypropylene Filler

**Layer 1:** 5 Singles (#1-5) Cabled Around Core

**Binder:** Polyester Tape, 25% Overlap

**Drain Wire:** 24 AWG 7/32 Tin Plated Copper, 0.024 Inch Diameter

**Shield:** Aluminum/Polyester Tape, Aluminum Side Facing In, 25% Overlap

**Jacket:** 0.063 Inches of XPbT, Color – Chrome Gray

**Diameter:** 0.255 Inches Nominal

**Print Legend (Black Ink):** "TYPE CM 90°C 24 AWG (UL) OR AWM STYLE 2343  
MADISON CABLE C(UL) TYPE CMG 90°C **CE** RoHS COMPLIANT"

**Footage Markings:** Sequential footage marked every 24 Inches on jacket.

### COLOR CODE

Conductor #	Insulation Color
1	Black
2	Brown
3	Red
4	Orange
5	Yellow

### ELECTRICAL CHARACTERISTICS

**Conductor-to-Conductor Capacitance:** 30 pF/ft Nominal @ 1 kHz

**Single-Ended Capacitance:** 60 pF/ft Nominal @ 1 kHz

**Velocity of Propagation:** 59% Nominal

**Conductor DC Resistance:** 0.025 Ohms/ft Nominal @ 20°C

### SAFETY CERTIFICATION

**UL Listing:** Type CM as specified in Article 800 of the National Electrical Code

**UL Recognized:** AWM Style 2343 80°C VW-1

**C(UL) Listing:** Type CMG

**RoHS Compliance:** In Accordance with European Directive 2002/95/EC, Issue 13.2.2003



**tyco**  
Electronics

125 Goddard Memorial Drive · Worcester, MA 01603 USA  
Tel: (508) 752-2884 Toll-Free: (877) MADISON Fax: (508) 752-4230

**Spec Number:** 101-5360

**Part Number:** 05RFBLF010

**Customer:**

**Customer #:**

### REVISION HISTORY

Rev #	Date	By	Description
1	12/04/06	HA	Initial Release

**Prepared By:** H. Abusamra

**Reviewed By:** B. Harvie

M. Dupuis

**Page**

1 of 1

DESIGN CONFIRMATION FORM

Form D-01B  
Issue 7

GENERAL

Customer: ACTRONIX \_\_\_\_\_ Quote #: 51644 \_\_\_\_\_ Design ID: 1015360 \_\_\_\_\_

OEM: \_\_\_\_\_ Date: 12/4/2006 \_\_\_\_\_ Order Date: \_\_\_\_\_

OEM Spec #: \_\_\_\_\_ Rev: \_\_\_\_\_ Sales Person: Tracey Pajala \_\_\_\_\_

Madison Spec #: 101-5360 \_\_\_\_\_ Rev: 1 \_\_\_\_\_ Engineer: Hanna Abusamra \_\_\_\_\_

Note: Cable Description, Components, and Approvals sections are optional when OEM or Madison specification is referenced – see specification for details.

CABLE DESCRIPTION

5 Conductor 24 AWG RS-232 Cable

O/A Shielding: Foil & Drain; Inner Shielding: N/A; Jkt Color: Gray, Chrome; OD: 0.255 Inches

COMPONENTS

5 Conductor 24 AWG stranded

APPROVALS

C(UL) Type CMG 90C  
UR AWM Style 2343 80C VW-1

UL Type CM 90C

COMMENTS

Development Category: New P/N

Reason: \_\_\_\_\_

Comments: **Cable is RoHS COMPLIANT.** \_\_\_\_\_

\_\_\_\_\_

EXCEPTIONS

Characteristic	Requirement	Deviation	Comments
UL/C(UL) Approvals	105°C Rating	90°C Rating	

CUSTOMER DESIGN APPROVAL

Orders will not be processed until this form is signed and returned. Please review this form and any referenced specifications.

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



125 Goddard Memorial Drive, Worcester MA 01603  
Phone: (508) 752-2884 or Toll-Free (877)-MADISON  
Fax: (508) 752-4230