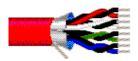
# **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



## 89505 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



## **General Description:**

24 AWG stranded (7x32) tinned copper conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, FEP jacket.

10

## **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
5	24	7x32	TC - Tinned Copper

Total Number of Conductors:

#### Insulation

#### **Insulation Material:**

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

#### **Outer Shield**

#### **Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>			
24	7x32	TC - Tinned Copper			

### **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.3556

### **Overall Cable**

Overall Nominal Diameter: 5.004 mm

#### Pair

#### **Pair Color Code Chart:**

Number	Color
1	Black & White
2	Black & Red
3	Black & Green
4	Black & Blue
5	Black & Yellow

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +200°C		
Bulk Cable Weight:	44.646 Kg/Km		
Max. Recommended Pulling Tension:	271.340 N		
Min. Bend Radius/Minor Axis:	50.800 mm		

Page 1 of 3 10-30-2013

# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



## 89505 Multi-Conductor - Computer Cable for EIA RS-232 Applications

Applicable Specifications and Agency Co	ompliance (Overall)			
Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CMP			
CEC/C(UL) Specification:	CMP			
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):	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:	NFPA 262			
CSA Flame Test:	FT6			
Plenum/Non-Plenum				

Yes

9505

# **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/m) 0.55777

Plenum (Y/N):

Non-Plenum Number:

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 68.901

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 131.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 79.0721

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 49.215

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89505 002100	30 MT	2.223 KG	RED	С	5 PR #24 FEP FS FEP
89505 0021000	305 MT	14.969 KG	RED	С	5 PR #24 FEP FS FEP

Notes:

Page 2 of 3 10-30-2013

# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



### 89505 Multi-Conductor - Computer Cable for EIA RS-232 Applications

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-04-2012

© 2013 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.