



**Part Number: 83704**

Audio/Control/Instrumentation, (4) 16 AWG (19x29) TC, FEP/FEP, Foil+TC Braid Shld, CMP

[📦 Request Sample](#)

## Product Description

Four 16 AWG stranded (19x29) tinned copper conductors, plenum, Teflon® (FEP) insulation, overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (85% coverage), Teflon® (FEP) jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	4

Conductor Count:	4
Conductor Size:	16 AWG

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.007 in

#### Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.223 in	0.017 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.43 Ohm/1000ft	2.67 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	63 pF/ft
Shielding:	Foil + Braid(s)

#### Current

Max. Recommended Current [A]
5.1 Amps per conductor @ 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: -70°C To +200°C

## Mechanical Characteristics

Bulk Cable Weight: 58 lbs/1000ft

Max Recommended Pulling Tension: 121 lbs

Min Bend Radius/Minor Axis: 2.25 in

## Standards

NEC Articles: 800

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

CPR Euroclass: Eca

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability: NFPA 262

CSA Flammability: FT6

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Part Number

### Variants

Item #	Color	Footnote
83704 002100	Red	C
83704 0021000	Red	C
83704 002500	Red	C

Footnote: C - CRATE REEL PUT-UP.

© 2018 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.