



**Part Number: 8643**

Audio/Control/Instrumentation, (3) 30 AWG (7x38) TC, PP/PVC, TC Braid Shld

## Product Description

Three 30 AWG stranded (7x38) tinned copper conductors, conductors cabled around textile strength member, polypropylene insulation, tinned copper braid shield (95% shield coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
30	7x38	TC - Tinned Copper	0.012 in	3

Total Number of Conductors:	3
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#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.006 in

#### Color Chart

Number	Color
1	Black
2	Red
3	White

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	95 %

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.096 in	0.014 in	Paper Tape

### Electrical Characteristics

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
25 pF/ft	43 pF/ft

### Construction and Dimensions

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
98.5 Ohm/1000ft	11.1 Ohm/1000ft

#### Impedance

Nominal Characteristic Impedance
N/A

## Current

### Max. Recommended Current [A]

0.9 Amps per conductor @ 25°C

## Voltage

### Non-UL Voltage Rating

200 V RMS

## Applicable Standards & Environmental 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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Mechanical Characteristics

Operating Temp Range:	-20°C To +105°C
Bulk Cable Weight:	8(lbs/1000ft)
Max Recommended Pulling Tension:	22.5(lbs)
Min Bend Radius/Minor Axis:	1(in)

## Temperature Range

Non-UL Temp Rating:	105°C
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## History

## Variants

Item #	Color
8643 060100	CHROME
8643 060250	CHROME

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