



**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.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
30	7x38	TC - Tinned Copper	0.012 in	3
<b>Total Number of Conductors:</b>				3

#### Insulation:

Material	Nominal Wall Thickness
PP - Polypropylene	0.006 in

#### Color Chart 1:

Number	Color
1	Black
2	Red
3	White

#### Cabling 1:

Filler
Textile Strength Member

#### Outershield 1:

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

#### Outerjacket 1:

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

## Electrical Characteristics

#### Conductor DCR:

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

#### Capacitance:

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

#### Current:

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

#### Voltage:

Non-UL Voltage Rating
200 V RMS

## Use

Max Recommended Pulling Tension:	22.5 lbs
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## Safety

### Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	1 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
8643 060100	CHROME	Reel	100 ft
8643 060250	CHROME	Reel	250 ft

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