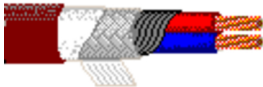# BELDEN

Product: 9399 ⧉

Microphone Cable, 2 Conductor 24 AWG, TC

Product Description

24 AWG stranded (45x40) BC alloy conductors, EPDM rubber insulation, conductive textile wrap (100% coverage), TC braid shield (65% coverage), cotton spiral, EPDM jacket.

Technical Specifications

Product Overview

Suitable Applications:	Ruggedized, deployable microphone for studio or live performance; Balanced analog audio

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	45x40	BCA - Bare Copper Alloy	0.024 in	2

Conductor Count:	2

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.064 in	0.02 in

Outer Shield

Type	Layer	Material	Coverage [%]
Tape	1	Textile (Conductive)	100%
Braid	2	Tinned Copper (TC)	65%
Spiral Serve / Screen	3	Cotton	

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.2 in	0.02 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
28.7 Ohm/1000ft	28.7 Ohm/1000ft	11.38 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Inductance

Nominal Inductance
0.019 µH/ft

Impedance

Nominal Characteristic Impedance
55 Ohm

Current

Max. Recommended Current [A]
2.2 Amps per Conductor at 25ºC

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	90°C
Operating Temperature Range:	-40°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	25 lbs/1000ft
Max. Pull Tension:	48 lbs
Min. Bend Radius/Minor Axis:	2 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive Compliance:	No
EU CE Mark:	No

Suitability

Suitability - Indoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9399 001500	Brown	Reel	500 ft	612825252559

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.379 Revision Date: 02-15-2024

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable](#):

[9399 001500](#)