



REPRESENTATIVE IMAGE

**Product:** [1800F](#)

Digital Microphone Cable, 1 Pr #24 Str BC, 95% TC French Braid, PVC Jkt, CL2R, Flexible

## Product Description

Digital Microphone Cable, 1 Pair 24 AWG (42x40) Bare Copper, PE insulation, 95% Tinned Copper French Braid Shield, Matte PVC jacket, CL2R-rated, Flexible

## Technical Specifications

### Product Overview

Suitable Applications:	Digital microphone; Flexible interconnect cable for digital audio
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	24	42x40	BC - Bare Copper

#### Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.017 in	0.058	Red & Black	HDPE

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type	Notes
French Braid	Tinned Copper (TC)	95%	26 AWG (30x40) BC	Paper tape under braid with drain over tape

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in	0.211 in

Cable Diameter (Nominal):	0.211 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	23.7 Ohm/1000ft	12 pF/ft	26 pF/ft	110 Ohm	76%	2.75 Amps per conductor @ 25°C

Nom Outer Shield DCR:	6.42 Ohm/1000ft
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### Mechanical Characteristics

#### Temperature

Operating
-20°C to +60°C

#### Bend Radius

Stationary Min.	Installation Min.
2.25 in	2.1 in

Max. Pull Tension:	41.5 lbs
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Bulk Cable Weight:	23 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Fire Resistance:	UL1666 Riser
NEC / UL Compliance:	Article 725, CL2R
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	AES/EBU

## History

Update and Revision:	Revision Number: 0.355 Revision Date: 02-16-2021
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