



Product: [1800F](#) 

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

REPRESENTATIVE IMAGE

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 (0.43 mm)	0.058 in (1.5 mm)	Red & Black	HDPE

Outer Shield

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	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.211 in

Cable Diameter (Nominal):	0.211 in (5.36 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	23.7 Ohm/1000ft (77.8 Ohm/km)	12 pF/ft (39 pF/m)	26 pF/ft (85 pF/m)	110 Ohm	76%	2.75 Amps per conductor @ 25°C
Nom. Outer Shield DCR:		6.42 Ohm/1000ft				

Mechanical Characteristics

Temperature

Operating
-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	41.5 lbs (18.8 kg)
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Bulk Cable Weight:	23 lbs/1000ft (34 kg/km)
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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 (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), 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: 0.360 Revision Date: 06-08-2021
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