

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

Construction Details

Conductor

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

Insulation

Element	Material	Nom. 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	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.211 in (5.36 mm)

Overall Cable Diameter (Nominal):	0.211 in (5.36 mm)

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

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)
Bulk Cable Weight:	23 lbs/1000ft (34 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	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: 0.369 Revision Date: 04-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1800F B59500	Black, Matte	Reel	500 ft	612825122845
1800F B591000	Black, Matte	Reel	1,000 ft	612825122838
1800F B59U1000	Black, Matte	UnReel	1,000 ft	612825122821
1800F B5910000	Black, Matte	Reel	10,000 ft	612825429944
1800F G7XU1000	Blue, Matte	UnReel	1,000 ft	612825122876
1800F U90U1000	Gray, Matte	UnReel	1,000 ft	612825122890
1800F G7WU1000	Green, Matte	UnReel	1,000 ft	612825122869
1800F G7VU1000	Red, Matte	UnReel	1,000 ft	612825122852
1800F Z4BU1000	Violet Z4B	UnReel	1,000 ft	612825122906
1800F G8MU1000	Yellow, Matte	UnReel	1,000 ft	612825122883

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