

Plenum Grade Microphone Cable, 2C, 20AWG, Shielded & PVC Sheath

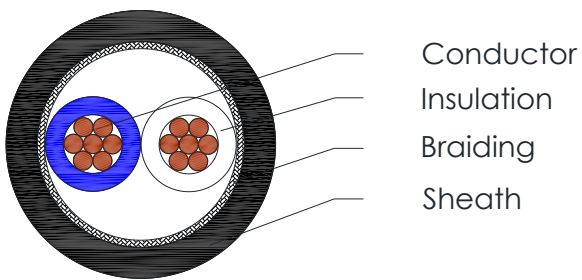


C8 I 20

Applications

Plenum Microphone Cable

Cross Section Drawing



Conductor
Insulation
Braiding
Sheath

Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	FEP Core 1: Blue Core 2: Clear
Braiding	Tinned Copper
Sheath	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP PVC) Standard colour: Black
Standard Put Up Length	305 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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C8120

Physical Characteristics

Part Number	C8120
No of cores	2
Conductor configuration (AWG)	20AWG (7X28)
Nom. Diameter Conductor(mm)	0.96
Nom. Radial Thickness Insulation(mm)	0.457
Nom. Insulation Diameter (mm)	1.88
Braiding Coverage (%)	85
Nom. Overall Diameter(mm)	5.3
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	300
Min. Bend Radius (install)(mm)	53
Nominal Cable Weight (kg/km)	50

Electrical Characteristics at 20°C

Part Number	C8120
Nom. DC Resistance Conductor (Ω /km)	31.2
Nom. DC Resistance Screen (Ω /km)	12.8
Nom. Capacitance conductor to conductor (pF/m)	60.4
Nom. Velocity of Propagation (%)	70
Nominal Inductance (μ H/m)	0.66
Nom. Delay (ns/m)	4.79
Max. Operating Voltage (Vrms)	600
Nom. Attenuation (dB/100m)	
1MHz	1.97
10MHz	6.89
50MHz	16.4
100MHz	24.6
200MHz	36.1
400MHz	52.5

Reference Standards

(BS) EN 50290-2	NFC 725.154(A), ANSI/NFPA 262
IEC 60228	RoHS directives