

5 Bundled Miniature RGB Coaxial Cables

Plenum Grade PVC Sheath

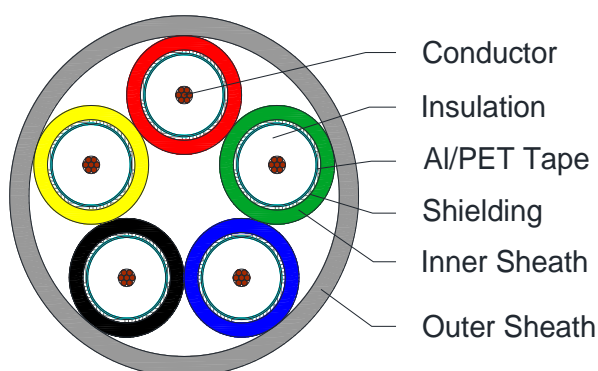


C8002

Applications

RGB Projectors, LCD Projectors, Video Distribution, Component Video, Graphic Displays, Special Effects Editing, Animation, Video Post Production, Home Theater, Offices, Boardrooms, Auditoriums, Teleconferencing, Theaters.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Tinned copper wire
Insulation	Foam Fluorinated Ethylene Propylene (FFEP)
Inner Screen	Bonded Al-PET Foil
Shielding	Tinned copper wire
Inner Sheath	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP PVC) Colour: Red, Green, Blue, Yellow, Black
Cabling	5 bundled coax cabled
Outer sheath	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP PVC) Standard colour: Grey
Standard Put Up Length	305 metres

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

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Physical Characteristics

Part Number	C8002
Numbers of coax cores	5
Nom. Conductor Size (AWG)	25
Conductor configuration (mm)	0.457
Nom. Insulation Diameter (mm)	1.88
Inner Screen Coverage (%)	115
Braiding Coverage (%)	95
Nom. Inner Sheath Diameter (mm)	2.82
Nom. Overall Diameter (mm)	8.38
Operating Temperature (°C)	0 to +60
Min. Bend Radius (install) (mm)	83.8
Max. Recommended Pulling Tension (N)	369
Nominal Cable Weight (kg/km)	89.3

Electrical Characteristics at 20°C

Part Number	C8002
Nom. DC Conductor Resistance (Ohm/km)	111.6
Max. DC Shield Resistance (Ohm/km)	17.7
Nom. Impedance (Ω)	75
Nom. Capacitance Conductor to shield (pF/m)	55
VoP (%)	81
Nom. Delay (ns/m)	4.13-
Nom. Inductance (μ H/m)	0.29
Min. Return Loss from 5 to 850MHz	20
Max. Operating Voltage (V)	300

Nom. Attenuation at 20°C

Frequency (MHz)	Nom. Attenuation (Max. attenuation=Nominal +10%) (dB/100m)
1	1.64
5	3.94
50	12.47
100	17.07
200	23.30
400	32.81
750	46.92
1000	55.45
2250	83.67
3000	111.23

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Reference Standards

EN 50290-2	(BS) EN 50117
NFC 725.154(A), ANSI/NFPA 262	IEC 61196
RoHS directives	