

# Multi-Media Control & Midi Cable

## 22AWG Data & 14AWG Power

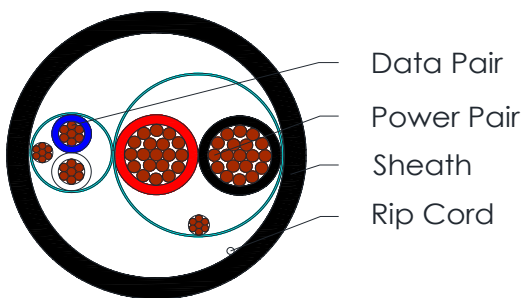


C4114

### Applications

Control Cable for multimedia control systems such as those manufactured by Crestron, Lutron and AMX, and other RS-422, RS-485 or RS-232 applications. It is equally suitable for MIDI.

### Cross Section Drawing



### Design

Unit		Properties
Power Pair	Conductor	Tinned stranded copper wire
	Insulation	FR-PVC Colour: Red, Black
	Drain Wire	Tinned stranded copper wire
	Screen	Aluminum/Polyester tape
Data Pair	Conductor	Tinned stranded copper wire
	Insulation	Foamed HDPE Colour: Blue, White
	Drain Wire	Tinned stranded copper wire
	Screen	Aluminum/Polyester tape
Overall	Rip Cord	Nylon Yarn
Sheath		PVC Flame retardancy: CMR Standard Colour: Black or White
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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#### Physical Characteristics

Part Number	C4114		
Component No.	1	2	Overall
Core No.	2	2	-
Nom. Conductor Size (AWG)	14	22	-
Nom. Conductor Construction (mm)	19*0.36	7*0.25	-
Insulation material	FRPVC	Foamed HDPE	-
Insulation thickness (mm)	0.60	0.64	-
Screen Coverage (%)	115	115	-
Drain wire construction (mm)	7*0.20	7*0.20	-
Nom. Overall Diameter (mm)	-	-	11.9
Min. Bending radius (mm)	-	-	120
Max. Pulling Tension (N)	-	-	370
Operating Temperature Range (°C)	-20 to +75		

#### Electrical Characteristics at 20°C

Conductor Gauge (AWG)	Max. Conductor Resistance (Ohm/km)	Capacitance core to core (pF/m)	Capacitance core to shield (pF/m)	Min. Insulation Resistance (MΩ*km)	Impedance (Ohm)	Max. Recommended Current at 25°C (Amps)	Operating Voltage (Vrms)
22	57.4	46	125	2000	100	3.8	300
14	9.36	65	-	100	-	8.0	300

#### Reference Standards

UL 1666 CMR Rated PVC	EN 50290-2
IEC 60228	RoHS directives