Multi-Media Control & Midi Cable
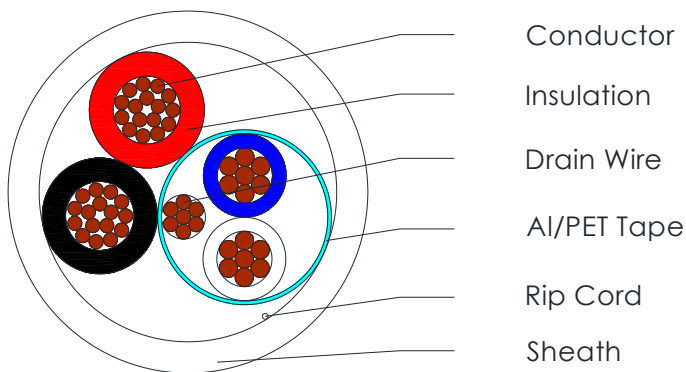
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C5014

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. The cables are suitable for both indoor and outdoor applications and has a UV resistant non halogenated sheath in black colour.

Cross Section Drawing

Conductor

Insulation

Drain Wire

Al/PET Tape

Rip Cord

Sheath

Design

Unit		Properties
Power Cores	Conductor	Tinned stranded copper wire
	Insulation	Polypropylene (PP) Colour: Red, Black
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		HFFR/LSZH 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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Physical Characteristics

Part Number	C5014		
Component No.	1	2	Overall
Core No.	2	2	-
Nom. Conductor Size (AWG)	18	22	-
Nom. Conductor Construction (mm)	16*0.25	7*0.25	-
Insulation material	PP	Foamed HDPE	-
Screen Coverage (%)	-	115	-
Drain wire construction (mm)	-	7*0.20	-
Nom. Overall Diameter (mm)	-	-	6.5
Min. Bending radius (mm)	-	-	63.5
Max. Pulling Tension (N)	-	-	266
Operating Temperature Range (°C)	-	-	-30 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	10000	100	3.8	300
18	22.7	95	-	10000	-	7.2	300

Reference Standards

IEC 60228	EN 50290-2
IEC 60754-1&-2 HFFR/LSZH	IEC 60332-3-22 HFFR/LSZH
RoHS directives	IEC 61034-1&-2 HFFR/LSZH

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