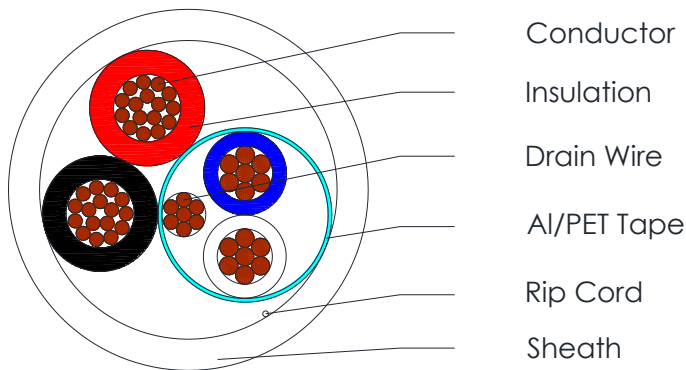


C1242, C1312, C5014, C4041

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 indoor applications and the LSZH/HFFR version is suitable for both indoor and outdoor applications and has a UV resistant non halogenated sheath in black colour.

Cross Section Drawing



Design

Unit	Properties	
Power Cores	Conductor	Tinned stranded copper wire
	Insulation	FR-PVC or Polypropylene (PP) Colour: Red, Black
Data Pair	Conductor	Tinned stranded copper wire
	Insulation	FR-PVC or FPE Colour: Blue, White
	Drain Wire	Tinned stranded copper wire
	Screen	Aluminum/Polyester tape
Overall	Rip Cord	Nylon Yarn
Sheath	PVC Flame retardancy: CMR or CMP Or HFFR/LSZH or LSF 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.

C1242, C1312, C5014, C4041

Physical Characteristics

Part Number	C1242			C1312			C5014			C4041		
Sheath Material	PVC			CMP PVC			HFFR/LSZH			LSF		
Component No.	1	2	Overall	1	2	Overall	1	2	Overall	1	2	Overall
Core No.	2	2	-	2	2	-	2	2	-	2	2	-
Nom. Conductor Size (AWG)	18	22	-	18	22	-	18	22	-	18	22	-
Nom. Conductor Construction (mm)	16*0.25	7*0.25	-	16*0.25	7*0.25	-	16*0.25	7*0.25	-	16*0.25	7*0.25	-
Insulation material	FRPVC	Foamed HDPE	-	FRPVC	FRPVC	-	PP	Foamed HDPE	-	PP	Foamed HDPE	-
Screen Coverage (%)	-	115	-	-	115	-	-	115	-	-	115	-
Drain wire construction (mm)	-	7*0.20	-	-	7*0.20	-	-	7*0.20	-	-	7*0.20	-
Nom. Overall Diameter (mm)	-	-	6.35	-	-	5.2	-	-	6.5	-	-	6.5
Min. Bending radius (mm)	-	-	63	-	-	63.5	-	-	63.5	-	-	63.5
Max. Pulling Tension (N)	-	-	270	-	-	266	-	-	266	-	-	266
Operating Temperature Range (°C)	-	-	-20 to +75	-	-	-20 to +60	-	-	-30 to +75	-	-	-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 60332-1 (PVC)	UL 910 CMP Rated PVC
IEC 60228	EN 50290-2
IEC 60332-1 HFFR/LSZH and LSF	IEC 60332-3-22 HFFR/LSZH
IEC 60754-1&-2 HFFR/LSZH	IEC 61034-1&-2 HFFR/LSZH
RoHS directives	