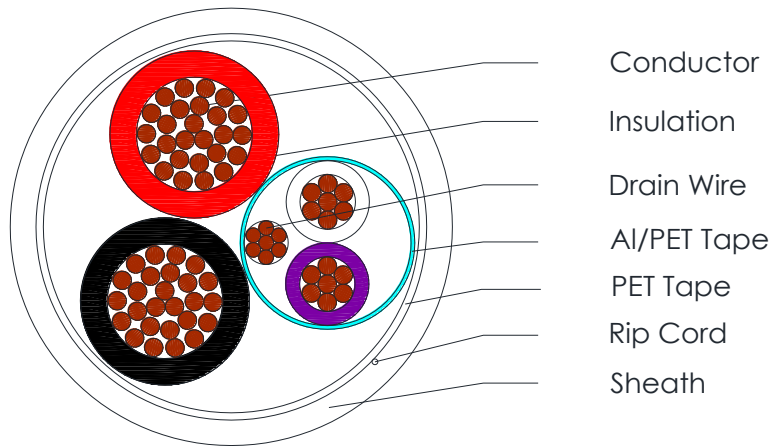


C5197, C4588

Applications

Control Cable for multimedia control systems such as those manufactured by Crestron, Lutron and AMX. 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	Bare stranded copper wire
	Insulation	FR-PVC Colour: Red, Black
Data Pair	Conductor	Bare stranded copper wire
	Insulation	Foamed HDPE Colour: Purple, White
	Drain Wire	Tinned stranded copper wire
	Screen	Aluminum/Polyester tape
Overall	Wrapping	PET Tape
	Rip Cord	Nylon Yarn
Sheath		Halogen Free Flame Retardancy (HFFR/LSZH) or Flame-Retardant Polyvinyl Chloride (PVC) Standard Colour: 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.

C5197, C4588

Physical Characteristics

Part Number	C5197			C4588		
	1	2	Overall	1	2	Overall
Component No.	1	2	Overall	1	2	Overall
Core No.	2	2	-	2	2	-
Nom. Conductor Size (AWG)	16	22	-	16	22	-
Nom. Conductor Construction (mm)	26*0.254	7*0.254	-	26*0.254	7*0.254	-
Nom. Insulation Diameter (mm)	2.10 ± 0.05	2.00 ± 0.05		2.10 ± 0.05	2.00 ± 0.05	
Insulation material	FRPVC	Foamed HDPE	-	FRPVC	Foamed HDPE	-
Screen Coverage (%)	-	115	-	-	115	-
Drain wire construction (mm)	-	7*0.20	-	-	7*0.20	-
Nom. Overall Diameter (mm)	-	-	7.50	-	-	7.50
Min. Bending radius (mm)	-	-	64	-	-	64
Max. Pulling Tension (N)	-	-	270	-	-	270
Operating Temperature Range (°C)	-	-	-20 to +75	-	-	-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. AC Dielectric Strength (KV)	Operating Voltage (Vrms)
22	53.5	40	85	1.5	300
16	15.5	130	-	1.5	300

Reference Standards

IEC 60228	EN 50290-2
IEC 60332-1	IEC 60332-3-24 (For HFFR)
IEC 60754-1&-2 (For HFFR)	IEC 61034-1&-2 (For HFFR)
RoHS directives	