

5 Bundled Miniature RGB Coaxial Cables

PVC or HFFR Sheath

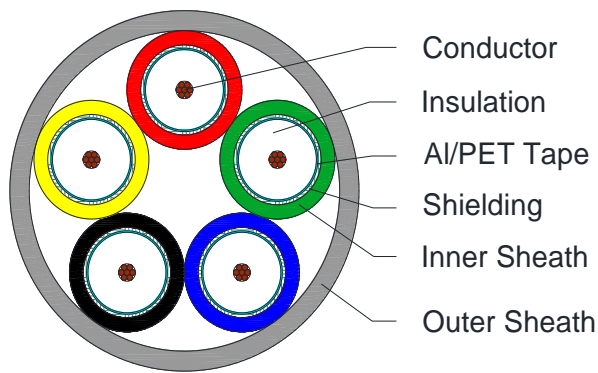


C1051, C1150, C1151

Applications

Used in connection for CCTV or computer screen.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid bare Copper wire or flexible Tinned copper wire
Insulation	Foam HDPE
Screen	Al-PET foil, no flipping foil
Shielding	Tinned copper wire
Inner Sheath	HFFR Colour: Red, Green, Blue, White, Yellow. PVC Colour: Red, Green, Blue, Black, Yellow.
Cabling	5 bundled coax cabled
Outer sheath	Halogen Free, Flame Retardant (HFFR) Standard Colour: Purple or Polyvinyl Chloride (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	C1051	C1150	C1151
Sheath Material	PVC	HFFR	PVC
Numbers of coax cores	5		
Nom. Conductor Size (AWG)	26	23	24
Conductor configuration (mm)	7*0.16	0.58	7*0.20
Nom. Insulation Diameter (mm)	1.93	2.60	2.79
Screen Coverage (%)	115		
Braiding Coverage (%)	95		
Nom. Inner Sheath Diameter (mm)	2.67	4.04	4.11
Nom. Overall Diameter (mm)	9.07	13.5	13.61
Operating Temperature (°C)	-20 to +60		
Min. Bend Radius (install) (mm)	136	200	204
Nominal Cable Weight (kg/km)	108	177	185

Electrical Characteristics at 20°C

Part Number	C1051	C1150	C1151
Max. DC Conductor Resistance (Ohm/km)	150	66.0	135
Max. DC Shield Resistance (Ohm/km)	40	24.9	22.6
Impedance (Ω)	75		
Capacitance (pF/m)	54.8	54.1	56.7
VoP (%)	81	83	83

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Attenuation at 20°C

Frequency (MHz)	Nom. Attenuation (Max. attenuation=Nominal +10%) (dB/100m)		
	C1051	C1150	C1151
1	1.7	1.31	1.3
5	3.9	-	2.8
10	5.5	3.93	-
20	7.8	-	-
30	-	-	6.7
50	12.3	-	8.5
71.5	13.8	10.16	-
100	17.6	-	12.2
135	20.6	12.46	-
200	25.4	-	17.7
270	29.9	17.70	-
360	-	20.33	-
400	37.3	-	25.3
540	-	25.25	-
700	-	-	34.2
720	-	29.84	-
750	53.8	31.15	-
900	-	-	39.0
1000	64.0	34.43	41.2
1500	-	42.62	-
2500	-	55.41	-
3000	143.0	60.66	94.7
4500	-	80.66	-

Reference Standards

EN 50290-2	(BS) EN 50117
IEC61034 for HFFR Cable	IEC 61196
IEC60754-1 &-2 for HFFR Cable	IEC60332-1
RoHS directives	