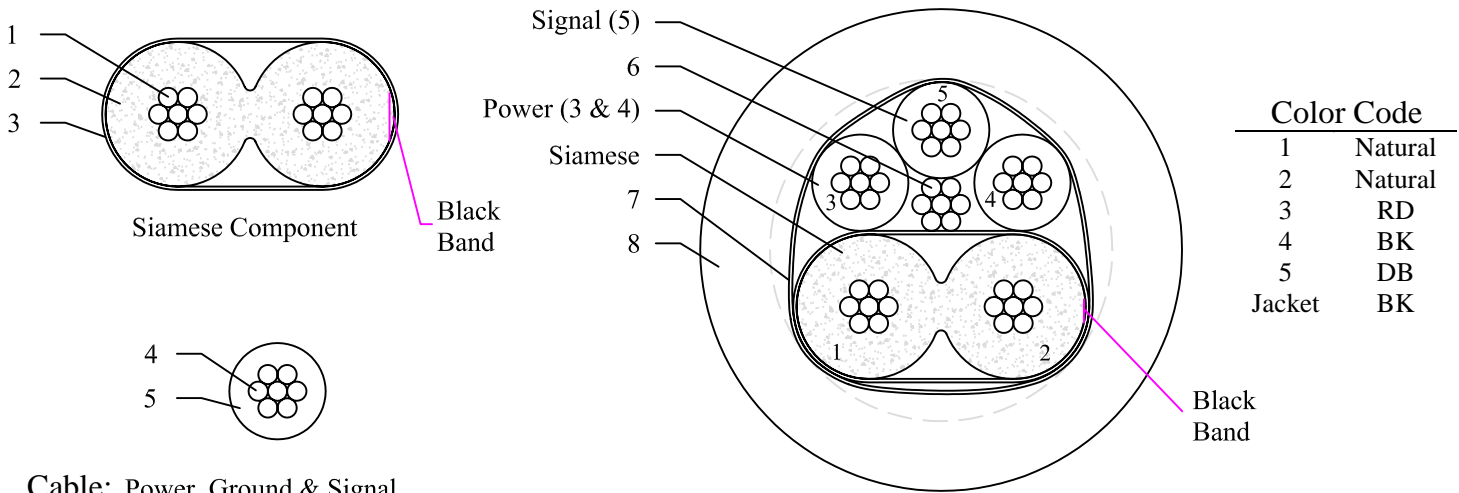


REV.	DESCRIPTION	DATE
0	Initial Release.	04/03/2006
1	Removed shield on signal conductor.	04/05/2006
2	Revised cable dimensions.	05/09/2006
3	Add Jacket bond Requirements	09/20/2007
4	Add Black Band to Siamese component	02/05/2009

General Properties:




Cable: Power, Ground & Signal

Primaries 1 & 2 (Siamese):	Description	Dimensions
1. Conductor:	22 AWG 7/30 Copper, (1) bare copper (1) tin plated copper	0.030" ± .001" [0.76mm]
2. Insulation:	Exrad-Cell (reference 25 mil [0.64mm] wall)	0.150" x 0.080" nominal
Extrusion:	(2) Conductors extruded with Siamese profile	[3.80mm x 2.03mm]
3. Shield:	Tinned Copper side of Siamese component marked with Black Band	
Primaries 3, 4 & 5 (Power, Ground + Signal):		
4. Conductor:	22 AWG 7/30 Bare Copper	0.030" ± .001" [0.76mm]
5. Insulation:	Exrad 150UT Solid, 10 mil [.25mm] wall nominal	0.050" ± .002" [1.27mm]
Overall Cable:	Siamese foamed pair, (2) solid singles, (1) shielded single and drain wire pulled in as drawing shows and twisted	
	Lay Length: 5" to 6"	
6. Drain:	22 AWG 7/30 Bare Copper	0.030" ± .001" [0.76mm]
7. Shield:	1.5 mil Aluminum/Mylar, Shield 20% min. overlap	0.177" ± .005" [4.51mm]
	Exrad 150FX, Wall run to OD (reference 36 mil [0.92mm] wall)	0.230" ± .005" [6.35mm]
8. Jacket:	Pressure extruded for roundness, OD is measured 10 points around circumference then averaged.	
	Bond: 6lbs max, measured with 1.5" slug pulled at 20"/min	

Technical Details (*Foamed Siamese Pair Only):

Voltage Rating:	300 V (all conductors)	
Temperature Rating:	-40 °C to 125 °C	
Impedance:	Single Ended	*75 +/- 5 Ohms - conductor to conductor
	Differential	*95 Ohms +/- 10% - conductor to conductor (drain grounded) @ 1 MHz

 CHAMPLAIN CABLE 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		CAMERA CABLE	
	22 AWG Siamese Signal + Power, Ground & Signal		DRN.	DATE
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING		Scott Hood	04/03/2006
			CKD.	DATE
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING		SIZE	PART NUMBER	DOCUMENT NUMBER
		A	15-07536-001	12916
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