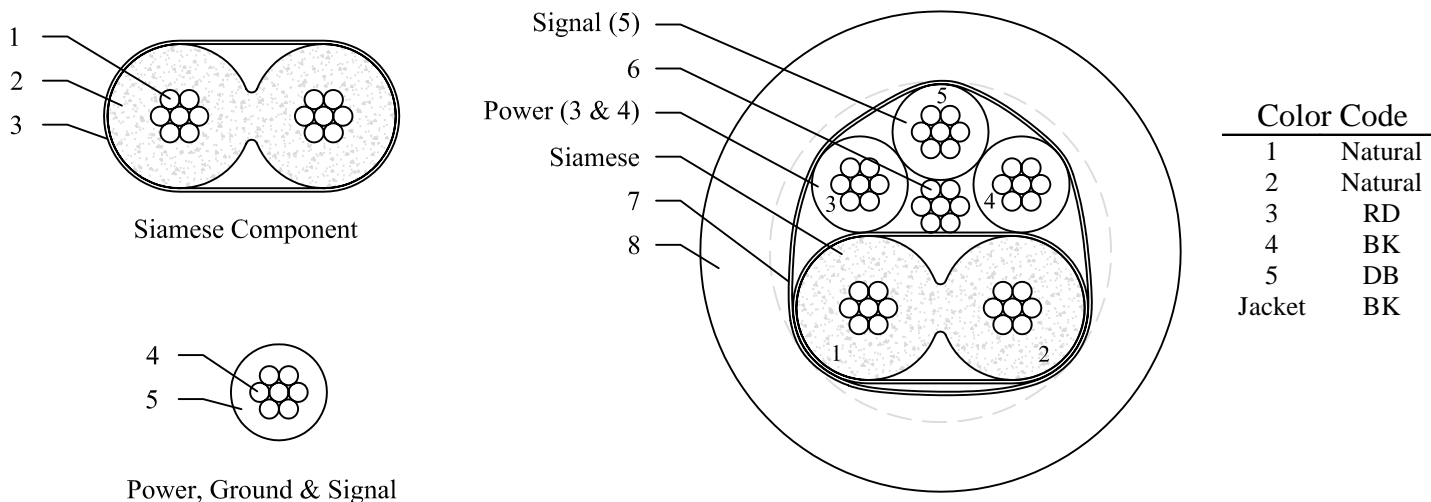


REV.	DESCRIPTION	DATE
0	Initial Release.	04/03/2006
1	Removed shield on signal conductor.	04/05/2006
2	Revised cable dimensions.	05/09/2006
3	Add Jacket bond Requirements	09/20/2007

General Properties:




Cable Construction:

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:	RADX-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:	1.5 mil Aluminum/ Mylar, Shield 20% min overlap	
Primaries 3, 4 & 5 (Power, Ground + Signal):	Description	Dimensions
4. Conductor:	22 AWG 7/30 Bare Copper	0.030" ± .001" [0.76mm]
5. Insulation:	RADXL 150UT Solid, 10 mil [.25mm] wall nominal	0.050" ± .002" [1.27mm]
Overall Cable:	Description	Dimensions
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]
	RADXL 150FX, Wall run to OD (reference 36 mil [0.92mm] wall)	0.250" ± .005" [6.35mm]
8. Jacket:	Pressure extruded for roundness	
	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

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