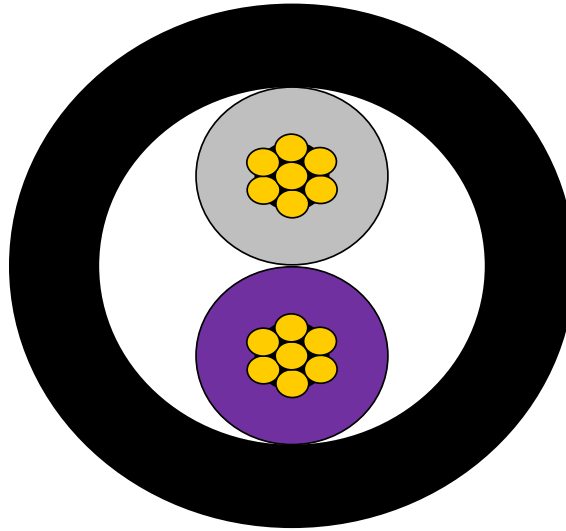


<b>REV.</b> 0	<b>DESCRIPTION</b> Initial release	<b>DATE</b> 1/25/2017
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**General Composition of Cable**



**Color Code**

Cond 1	Gray
Cond 2	Violet

**Physical Data**

Description	Dimensions (Nom.)		
		inches	mm
1. Conductor:	0.13mm <sup>2</sup> 7/.16mm bare copper	0.018	0.46
2. Insulation:	EXRAD 105UT 6.5 mil wall thickness	0.031	0.79
Cable:	Twist 2 X 0.13mm <sup>2</sup> Lead Wires	0.062	1.58
4. Insulation:	EXRAD ERGOFLEX 19.0 mil wall thickness	0.100	2.54

Diameter measured along the major axis

**Electrical Data**

Conductor Resistance: 39.29 ohms / k 128.92 mohm/m nominal  
 Impedance: 100 +/- 5 Ohms nom. @66 MHz

Frequency MHz	dB/15m
1	< 0.9
10	< 2.4
33	< 4.65
66	< 6.75

Frequency (MHz)	Return Loss (dB)
1	-20.00
20	-20.00
66	-14.80

**General Data**

Temperature Range: -40° C to +105° C  
 Voltage Rating: 60 volts  
 Flex Bend Radius: inches mm  
 0.4 11

<p><b>CHAMPLAIN</b> CABLE</p>	<p><b>TITLE</b></p> <p style="font-size: 1.2em;"><b>2 X 0.13mm<sup>2</sup> DATARAD 105° Cable 100 Base T</b></p>		
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE IN INCHES	DRN. <b>Richard Antic</b>	DATE <b>1/25/2017</b>	
	CKD. <b>Sue Tatro</b>	DATE <b>1/25/2017</b>	
DO NOT SCALE THIS DRAWING	SIZE <b>A</b>	PART NUMBER <b>15-08284-001</b>	DOCUMENT NUMBER <b>15900</b>
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