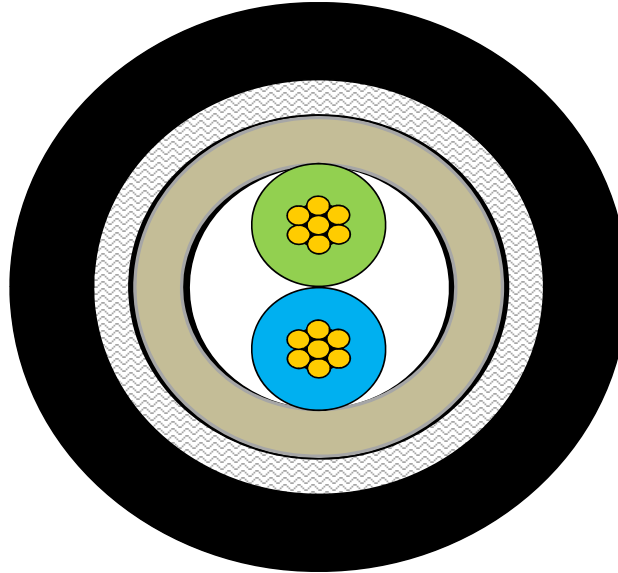


REV.	DESCRIPTION	DATE
0	Initial release	5/2/2017

General Composition of Cable



Color Code

Cond 1	LT Green
Cond 2	LT Blue

Physical Data

Description	Dimensions (Nom.)		
		inches	mm
1. Conductor:	0.35mm ² 7/.25mm copper	0.030	0.76
2. Insulation:	EXRAD 150UT 16.5 mil wall thickness	0.063	1.60
3. Cable:	Twist 2 X 0.35mm ² Lead Wires, with Length of lay = 14mm	0.126	3.20
4. Inner Jacket:	EXRAD ERGO-Flex 15.0 mil wall thickness	0.156	3.97
5. Shield:	Aluminum Polyester 1.5 mil foil in 25% min overlap	0.160	4.07
6. Shield:	Braid 0.080mm tinned copper 85% min coverage	0.174	4.42
7. Jacket:	EXRAD ERGO Flex 25.0 mil wall thickness	0.224	5.69

Diameter measured along the major axis

Conductor Resistance: 15.6 ohms / kft 51.18 mohm/m nominal
 Impedance: 100 +/- 5 Ohms nom. @36 MHz
 Swept Electrical performance

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

Frequency (MHz)	Return Loss (dB)
1	-20.00
10	-20.00
33	-17.86
66	-14.80

General Data

Temperature Range: -55° C to +125° C
 Voltage Rating: 60 volts
 Flex Bend Radius: inches mm
 0.9 22

 CHAMPLAIN <small>CABLE</small>	TITLE <h2 style="margin: 0;">2 X 0.35mm² Ethernet Shielded Cable 100 Base T</h2>		
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	DRN. Richard Antic	DATE 5/2/2017	
	CKD.	DATE	
DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER 15-08339-001	DOCUMENT NUMBER 15958
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