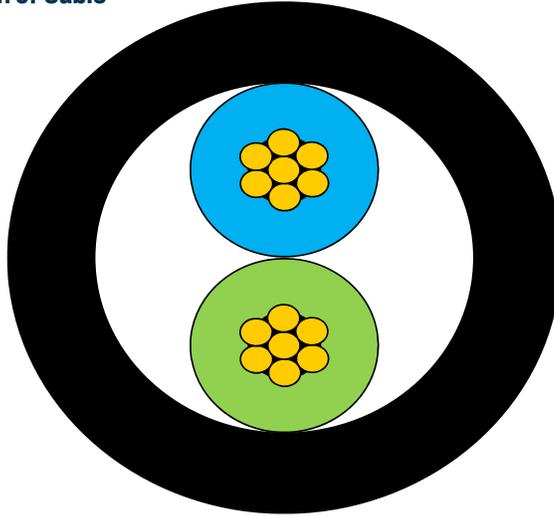


REV.	DESCRIPTION					DATE
1	Updated Cable diameter					3/20/2017
2	Added Diameter Tolerances					4/12/2017
3	Add P/N & C					6/18/2017
4	Added Ampacity values and Mode Coverssion (LCL, LCTL)					4/30/2018
5	Add Data-Sheet "product number" to drawing title					10/8/2018
6	Add -5 thru 10 parts					11/26/2018

General Composition of Cable



Part Number-Primary colors---Jacket

15-08277-001	Lt Blue & Lt Green---Black
15-08277-002	Grey & Grey/white---Black
15-08277-003	Brown/Blk & Grey/Blk---Black
15-08277-004	Brown/Dk Blue & Grey/Dk Blue---Black
15-08277-005	Lt Blue & Lt Green-Black
15-08277-006	Violet Wht & Violet-Black
15-08277-007	Yellow Wht & Yellow-Black
15-08277-008	Lt GreenWht & Lt Green-Black
15-08277-009	Lt Blue Wht & Lt Blue-Black
15-08277-010	Red & Black-Black

Physical Data

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor:	0.35mm ² 7/.25mm bare copper	0.029 0.74
2. Insulation:	EXRAD 150UT 13.3 mil wall thickness	0.056 1.41
Cable:	Twist 2 X 0.35mm ² Lead Wires	0.102 2.60
4. Insulation:	EXRAD ERGOFLEX 20.0 mil wall thickness	0.142 3.61
	Diameter measured along the major ε Tolerance	+/- 0.004 +/- 0.10
Print	CHAMPLAIN CABLE DATARAD 2 X 0.35mm ² 15816 XXXXX	
	Primary Wire Tolerance	0.001 0.025

Electrical Data

Conductor Resistance: 14.90 ohms / kft 48.89 mohms/m nominal
 Impedance: 100 +/-5 Ohms nom. @36 MHz
 Maximum allowable Current @125C, 6 Amps

Requirements	IL	Return Loss	LCL	LCTL
Frequency MHz	dB/15m	(dB)	(dB)	(dB)
1	0.6	-25	-60	-57
10	1.8	-38	-62	-61
33	3.4	-29	-63	-52
66	5.2	-28	-56	-62

General Data

Temperature Range: -55° C to +125° C
 Voltage Rating: 60 volts
 Flex Bend Radius: inches mm
 0.7 18



TITLE
**2 X 0.35mm² Ethernet Jacketed Cable 100 Base T Datarad
 T3-0.35-J**

UNLESS OTHERWISE SPECIFIED,
 TOLERANCES ARE IN INCHES

DRN. Richard Antic DATE 11/1/2016
 CKD. Jun Yi DATE 11/7/2016

DO NOT SCALE THIS DRAWING

SIZE PART NUMBER DOCUMENT NUMBER
 A 15-08277- 15816

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