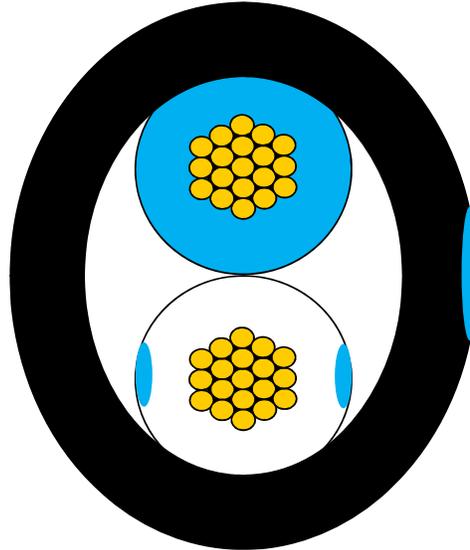


REV.	DESCRIPTION	DATE
2	Added blue stripes and tolerance dimensions to OD	8/17/2015
3	Added Customer Specification reference	8/24/2017
4	Define ISO 6722-1 compliance better	7/25/2018
5	Add Primary OD Tolerances--Tolerances for reference only--Capcintance is the critical measurement and OD's may change	7/30/2018
6	Change jacket voltage rating to 1000 VDC	3/2/2020

General Composition of Cable



Color Code
 Cond 1 Blue
 Cond 2 White/blue Stripe
 Jacket Black/blue stripe

Physical Data

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor:	20 19/32 Bare Copper	0.038 0.97
2. Insulation:	EXRAD 150 FX** 16 mil wall thickness (+/- .0005)	0.072 1.83
Cable:	Twist 2 X 20 AWG Lead Wires, with Length of lay = 18 +/- 3mm	0.144 3.66
3. Jacket	EXRAD 125ZH 23 mil wall thickness	0.190 4.83
		OD Tolerance +/- 0.010 +/- 0.26mm

** Primary OD and Tolerances are for reference only

Electrical Data

Conductor Resistance:	8.97 ohms / kft 29.46 mohm/m nominal
Impedance:	100 +/- 10 Ohms nom. @36 MHz
Insertion Loss 15 meters	<1.0db@1MHz, <2.6db@10MHz, <4.9db@33MHz, <7.2DB@66MHZ

General Data

Temperature Range:	-40° C to +125° C
Lead Wire:	Meets requirements of ISO 6722-1 Class C section 5.5-22
Caterpillar Specification	489-6290
Voltage Rating:	60 volts Priamry, 1000 VDC jacket
Flex Bend Radius:	inches mm
	1.3 34

 UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING	TITLE		100 ohm Ethernet Cable	
	DRN. Rick Antic		DATE 10/13/2014	
	CKD. Nathan Bacon		DATE 10/20/2014	
	SIZE A	PART NUMBER 15-08100-XXX	DOCUMENT NUMBER 14843	
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