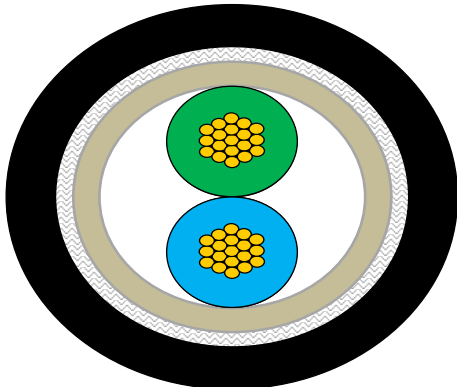


REV.	DESCRIPTION										DATE
0	Initial release										4/23/2024
1	Update Polypropylene Thickness ECO 27932										2/24/2025



Color Code
Cond 1 LT Green
Cond 2 LT Blue

Item	Component	Description	Thickness				Dimensions					
			<>	inch		mm		<>	inch			
				Nom	Min	Nom	Min		Nom	Tol	mm	Tol
1.	Conductor:	20 AWG 19/32 copper				0.00	NA		0.038	0.002	0.96	0.05
2.	Insulation:	DATARAD G1		0.0225	0.017	0.57	0.43	<D>	0.083	0.001	2.10	0.03
3.	Cable:	Twist 2 X 0.50mm ² Lead Wires				0.00	NA		0.165		4.20	NA
4.	Inner Jacket:	Polypropylene		0.025		0.64			0.195	0.005	4.96	0.13
5.	Shield:	Aluminum Polyester, foil out 25% min overlap		0.0015		0.04	NA		0.199		5.06	NA
6.	Shield:	38 AWG Braid tinned copper 85% min coverage		0.0040		0.10			0.217		5.51	NA
7.	Jacket:	EXRAD ERGOFLEX		0.028		0.71	NA	<D>	0.273	0.005	6.93	0.13
Print		CHAMPLAIN CABLE DATARAD G1 19903 XXXXX XXXXX = Traveler number Interval = 12" Start to start										

Conductor Resistance: 9.43 ohms/mft @20 C

Impedance: 100 +/- 10 Ohms

Swept Electrical Requirements

Attenuation Table	
Frequency MHz	dB/40m
1	0.9
10	2.4
33	4.5
66	6.4
100	7.9
400	16.6
600	20.8

Length: 40m Max

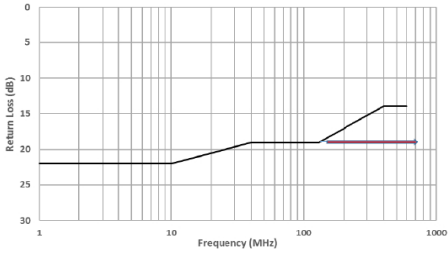
Temperature Range: -55° C to +125° C

Voltage Rating: 60 volts

Flex Bend Radius: inches mm 35

1.4

Return Loss Table



		TITLE	
		2 X 20 AWG Ethernet Shielded Cable 1000 Base T1 with PP Bedding Layer	
Special Characteristics <S> Safety <D> Dimensional		DRN.	P Frank
		DATE	4/23/2024
DO NOT SCALE THIS DRAWING		CKD.	R. Trahan
		DATE	6/20/2024
SIZE A		PART NUMBER	DOCUMENT NUMBER
		15-09066	19903

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