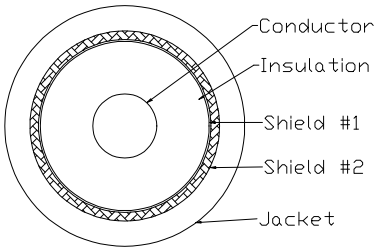

DBRF195 Flexible Low Loss 50 Ohm Coaxial Cable that is acceptable substitution for RG-58 & RG-142 And uses standard RG-58 Connectors, used for Jumper assemblies in Wireless Communications Systems, Antenna Feeder Runs and any application requiring a Low Loss RF Cable

Description: 1/C .037" Gas Injected Foam Polyethylene Insulation, Bonded Aluminum/Polyester/Aluminum Tape, Tinned Copper Braid Shield and Polyethylene Jacket.

A. **Construction:**

1.0	Conductor:	.037" Solid Bare Copper; OD: .037 Nom. (0.94mm)
2.0	Insulation:	.0365" Wall Gas Injected Foamed Polyethylene; OD: .110" Nom. (2.79mm)
3.0	Shield #1:	Aluminum/Polyester/Aluminum –Bonded Tape, 100% Coverage
4.0	Shield #2:	36 AWG Tinned Copper Braid 90% Coverage
5.0	Jacket:	.028" Wall Polyethylene; Color: Black OD: .195" Nom. (4.95mm)
6.0	Marking:	Surface Printed:

GENERAL CABLE (F) DBRF195 -- 50 OHM COAXIAL CABLE - ROHS-- MADE IN USA – MM/YY AAAAAA XXXXXFT

MM/YY = month and year of manufacturing
AAAAA = MFG identification for Traceability
XXXXX = sequential footage marking every two feet

B. **Electrical characteristics:**

1.0	Capacitance:	25.4 pF/ft Nom. (83.3 pF/m)
2.0	Impedance:	50.0 Ω Nom.
3.0	Velocity of Propagation:	78% Nom.
4.0	Conductor DCR:	7.6 Ω/kft Nom. (24.94 Ω/km)
5.0	Shield DCR:	4.89 Ω/kft Nom. (16.04 Ω/km)

REV	DATE	CHANGE DETAIL
		LMR-195
F	10/05/12	Revise attn. & added ROHS to legen-gt
E	06/15/12	Revise min bend radius / GT
D	04/20/12	Edit elec & attn. table / GT
C	08/26/11	Chg HHT to GCC an d edit legend / GT
B	9/8/05	Update Spec to New Format - RZ
A	8/31/04	Spec released - RZ

General Cable
20 Forge Park, Franklin, Ma 02038
Phone: 508-541-7100 Fax: 508-541-8122

Title: DBRF195

Description: .037" -- 50 Ohm Broadband Indoor/Outdoor Coaxial Cable

Eng Approval:	*GT*	
Mktg Approval:		
Final Approval:		

RoHS Compliant Directive 2002/95/EC

6.0	Inductance:	.064 µH/ft (.21 µH/m)
7.0	Peak Power:	2.5 kW
8.0	Voltage Withstanding:	1000 VDC
9.0	Jacket Spark:	3000 VRMS
10.0	Shield Effectiveness:	>90 dB
11.0	Cutoff Frequency:	41 GHz
12.0	Attenuation: (Nom.)	

Frequency (MHz)	Att. dB/100ft	Attn. dB/100m	Avg. Power (KW)
30	1.80	5.90	0.89
50	2.34	7.68	0.68
150	4.13	13.55	0.39
220	5.05	16.56	0.32
450	7.39	24.24	0.22
900	10.79	35.39	0.16
1500	14.38	47.17	0.12
1800	15.95	52.32	0.11
2000	16.95	55.60	0.10
2500	19.29	63.27	0.09
3400	23.12	75.83	0.08
5800	31.95	104.80	0.06

C. **Mechanical Characteristics**

1.0	Cable Weight:	21.0 lbs./kft / (31.25 Kg/km)
2.0	Bend Radius (Installation):	0.5 inch / (12.7 mm) min
3.0	Bend Radius (Repeated):	2.0 inch / (50.8 mm) min
4.0	Tensile Strength:	40 Lbs. / (178.0 N)
5.0	Operating Temperature:	-40°C to +80°C
6.0	Storage Temperature:	-70°C to +85°C

D. Compliance: RoHS Compliant

REV	DATE	CHANGE DETAIL
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