


RG Coaxials / RGD-M

Double-braided variants of high temperature coaxials
Intended for use primarily as a transmission line in high frequency applications

Order reference		Core			Finished cable				Electrical			
		Silver Plated Copper Covered Steel (SCCS)		PTFE	SPC braid	FEP	Weight	Fixed MBR	Imp.	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s					In free air at 40°C	
Description (NSN - if applicable)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	mm	Ohms	pF/m	Amps	V AC rms
RGD 178	3000017803	7 x 0.10	0.30	0.87	1st: 1.30 2nd: 1.74	2.25	14	15	95	94	6	500
RGD 179	3000017902	7 x 0.10	0.30	1.60	1st: 2.05 2nd: 2.50	3.00	23	15	75	63	6	900
RGD 180	3000018007	7 x 0.10	0.30	2.60	1st: 3.05 2nd: 3.50	4.10	39	25	95	50	7	1,000
RGD 316	3000031605	7 x 0.17	0.51	1.52	1st: 2.00 2nd: 2.40	2.90	27	15	50	94	13	900

Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)

Frequency MHz	RGD 178 M		RGD 179 M		RGD 180 M		RGD 316 M	
	dB	W	dB	W	dB	W	dB	W
30	25	274	15	511	12	803	15	621
100	46	150	28	280	21	440	27	340
400	93	75	56	140	43	220	54	170
1,000	148	47	86	89	69	139	86	108
2,500	237	30	144	56	112	88	139	68

Cable identification

Dielectric Natural

Sheath Brown-transparent

Marking RGD ### M - Habia Cable - Article No. - Year-Week - Batchcode

Characteristics and key properties

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	All-round chemical resistance	Low smoke	Flame retardant	+200°C High temp
	Current rating to IEC 60287		-55°C Low temp				

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice. Data indicates nominal values in millimetres (mm) unless otherwise stated.