

RG Coaxials / RGD-M

Double-braided variants of high temperature coaxials

Intended for use primarily as a transmission line in high frequency applications

50 Ω

Order reference		Core			Finished cable			Electrical		
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Cap. pF/m	DC current rating	Voltage V AC rms
									In free air at 40°C	
RGD 178	3000017803	7 x 0.10	0.30	0.87	1st: 1.30 2nd: 1.74	2.25	14	94	6	500
RGD 316	3000031605	7 x 0.17	0.51	1.52	1st: 2.00 2nd: 2.40	2.90	27	94	13	900

75 Ω

Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RGD 179	3000017902	7 x 0.10	0.30	1.60	1st: 2.05 2nd: 2.50	3.00	23	63	6	900

95 Ω

Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RGD 180	3000018007	7 x 0.10	0.30	2.60	1st: 3.05 2nd: 3.50	4.10	39	50	7	1,000

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

CE	UK CA	RoHS REACH LVD	VoP 70%	Current rating IEC 60287	Fluid resistant Fuel Oil Water	Flame resistant IEC 60332-1-2	Smoke free IEC 61034-2	MBR Fixed = 5x Ø Flexing = 10x Ø
							Temp low -55°C	Temp peak +200°C

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