

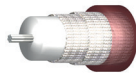
Coaxials // RGD-M

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

50 Ω

-55°C to +200°C


Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	SCCS	PTFE	SPC braid	FEP					
		Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m		
RGD 316 M	7 x 0.17	0.51	1.52	In: 2.00 Out: 2.40	2.90	27	900	94	15	3000031605



75 Ω

-55°C to +200°C


Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	SCCS	PTFE	SPC braid	FEP					
		Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m		
RGD 179 M	7 x 0.10	0.30	1.60	In: 2.05 Out: 2.50	3.00	23	900	63	15	3000017902



95 Ω

-55°C to +200°C

Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	SCCS	PTFE	SPC braid	FEP					
		Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m		
RGD 178 M	7 x 0.10	0.30	0.87	In: 1.30 Out: 1.74	2.25	14	500	94	15	3000017803
RGD 180 M	7 x 0.10	0.30	2.60	In: 3.05 Out: 3.50	4.10	39	1,000	50	25	3000018007



Electrical data

Attenuation (dB/100m at 20°C)				
Frequency (MHz)	RGD 178 M	RGD 179 M	RGD 180 M	RGD 316 M
30	25	15	12	15
100	46	28	21	27
400	93	56	43	54
1,000	148	86	69	86
2,500	237	144	112	139

Power (Watts at 40°C)				
Frequency (MHz)	RGD 178 M	RGD 179 M	RGD 180 M	RGD 316 M
30	274	511	803	621
100	150	280	440	340
400	75	140	220	170
1,000	47	89	139	108
2,500	30	56	88	68

Identification

Colours		
Part	Colour	Notes / Printing
Dielectric	Natural	
Outer sheath	Brown-transparent	RGD ### M - Habia Cable - Article No. - YYYY-Wwww - Batchcode

Characteristics & key properties

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	Chemically resistant	Flame retardant	Low smoke generation
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Data indicates nominal values in millimetres (mm) unless otherwise stated.

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