

Coaxials // RGD

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	SPC	PTFE	SPC braid	FEP					
	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m		
RGD 316	7 x 0.17	0.51	1.52	In: 2.00 Out: 2.40	2.90	27	900	94	15	3000031655



75 Ω

-55°C to +200°C

Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	SPC	PTFE	SPC braid	FEP					
	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m		
RGD 179	7 x 0.10	0.30	1.60	In: 2.05 Out: 2.50	3.00	23	900	63	15	3000017955



95 Ω

-55°C to +200°C

Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	SPC	PTFE	SPC braid	FEP					
	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m		
RGD 180	7 x 0.10	0.30	2.60	In: 3.05 Out: 3.50	4.10	39	1,000	50	25	3000018055



Electrical data

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

Power (Watts at 40°C)			
Frequency (MHz)	RGD 179	RGD 180	RGD 316
30	511	803	621
100	280	440	340
400	140	220	170
1,000	89	139	108
2,500	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

CE	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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