RGD double-braided coaxial cables

-65ºC/+200ºC

Coax

Flame retardant	IEC 60332-1-2
	UL 1581 VW-1
Smoke generation	IEC 61034-2
Toxicity	IEC 60754-2
Frequency range	Up to 2.5 GHz
Screening efficiency	(single braid) -40 dB
	(double braid) -70 dB
Velocity propagation	70 %

Construction

Conductor	Silver Plated High Strength Copper Alloy (HSA)	Dielectric	PTFE
Shield 1 Shield 2	Braid of Silver Plated Copper (S)	Sheath	FEP

Identification

Dielectric	Natural
Sheath	Brown-transparent
Marking	TYPE Habia Cable ORDER REFERENCE YEAR-WEEK BATCHCODE (e.g. RGD 178 Habia Cable 30000-178-03 2012-W20 121026001)

Description	Construction						Electrical			MBR	Article Number
	conductor material	conductor Ø	dielectric Ø	shield/s Ø	sheath/s Ø	weight g/m	V rms V DC	imp. Ω	cap. pF/m	fixed flexing	
RGD 178	SCCS 7x 0.10	0.30	0.87	S: 1.37 S: 1.85	2.25	14	500 1,000	50	94	15 25	30000-178-03
RGD 179	SCCS 7x 0.10	0.30	1.60	S: 2.05 S: 2.65	3.00	23	900 1,800	75	64	15 30	30000-179-02
RGD 180	SCCS 7x 0.10	0.30	2.60	S: 3.15 S: 3.65	4.10	39	1,000 2,000	95	50	25 45	30000-180-07
RGD 316	SCCS 7x 0.18	0.54	1.52	S: 2.00 S: 2.45	2.90	23	900 1,800	50	95	15 30	30000-316-05

Electrical data (table)	Attenuation (dB/100m)						Power (W)					
	Frequency (MHz)						Frequency (MHz)					
	30	100	400	1,000	2,500	6,000	30	100	400	1,000	2,500	6,000
RGD 178	25	46	93	148	237	-	274	150	75	47	30	-
RGD 179	15	28	56	86	144	-	511	280	140	89	56	-
RGD 180	12	21	43	69	112	-	803	440	220	139	88	-
RGD 316	15	27	54	86	139	-	621	340	170	108	68	-

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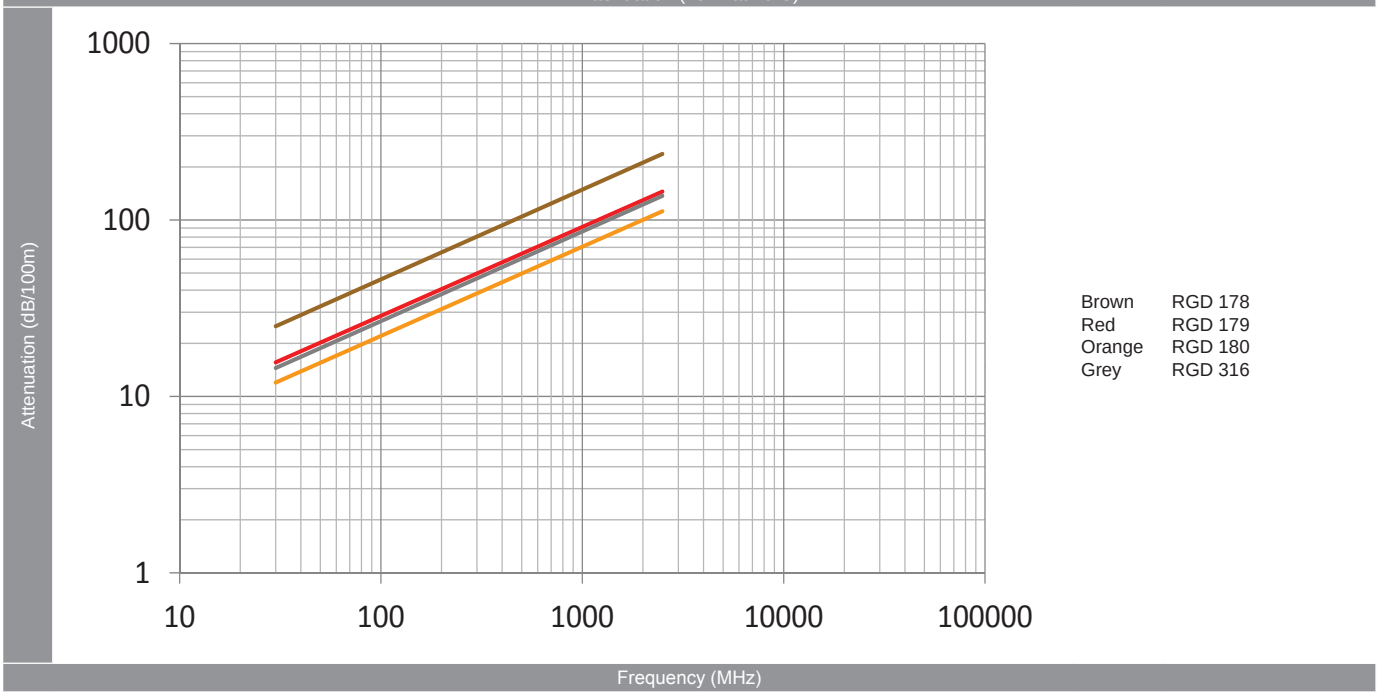
Application

Built up with a conductor, dielectric and then two braids in contact with one another, then finally an overall sheath. The addition of the second braid improves electrical performance over a range of frequencies, offering a cleaner signal which makes them ideal for long cable runs.

Electrical data (graph)

Attenuation (nom. at 20ºC)



Power rating (max. at 20ºC, SWR 1.0 and sea level)