

RG (LS0H) Low smoke zero halogen coaxial cables

-40°C/+80°C

Coax

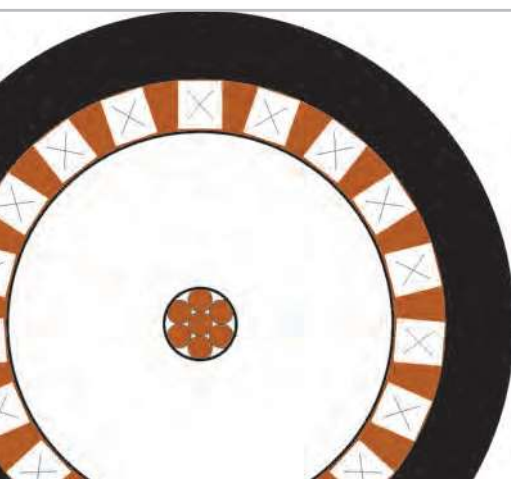
Flame retardant	IEC 60332-1-2
Smoke generation	IEC 61034-2
Toxicity	IEC 60754-2
Frequency range	Up to 2,5 GHz
Screening efficiency	(single braid) -40 dB (double braid) -70 dB
Velocity propagation	66 %

Construction

Conductor	Tin Plated Copper (TPC) Silver Plated Copper (SPC) Copper Covered Steel (CCS)	Dielectric	HFI 90
Shield	Braid of Copper (C) Braid of Tin Plated Copper (T) Braid of Silver Plated Copper (S)	Sheath	HFS 80 T
Core colour	Natural	Sheath	Black
Marking	TYPE Habia Cable ORDER REFERENCE YEAR-WEEK BATCHCODE e.g. RG 58 (LS0H) Habia Cable 36000-058-01 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	
RG 58 (LS0H)	TPC 19x 0,18	0,90	2,95	T: 3,55	4,95	36	1,400 2,800	50	101	25 50	36000-058-01
RG 59 (LS0H)	CCS 1x 0,57	0,57	3,70	C: 4,45	6,15	55	1,700 3,400	75	68	30 60	36000-059-01
RG 214 (LS0H)	SPC 7x 0,75	2,25	7,24	S: 8,00 S: 8,70	10,80	195	3,700 7,400	50	101	50 100	36000-214-01
RG 223 (LS0H)	SPC 1x 0,89	0,89	2,95	S: 3,50 S: 4,10	5,40	57	1,400 2,800	50	101	25 50	36000-223-01

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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
RG 58 (LS0H)	9	17	35	56	91	-	329	180	90	57	36	-
RG 59 (LS0H)	6	11	23	37	61	-	560	307	153	97	61	-
RG 214 (LS0H)	3	6	13	21	35	-	1,300	712	356	225	142	-
RG 223 (LS0H)	7	13	27	43	70	-	340	186	93	59	37	-

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Application

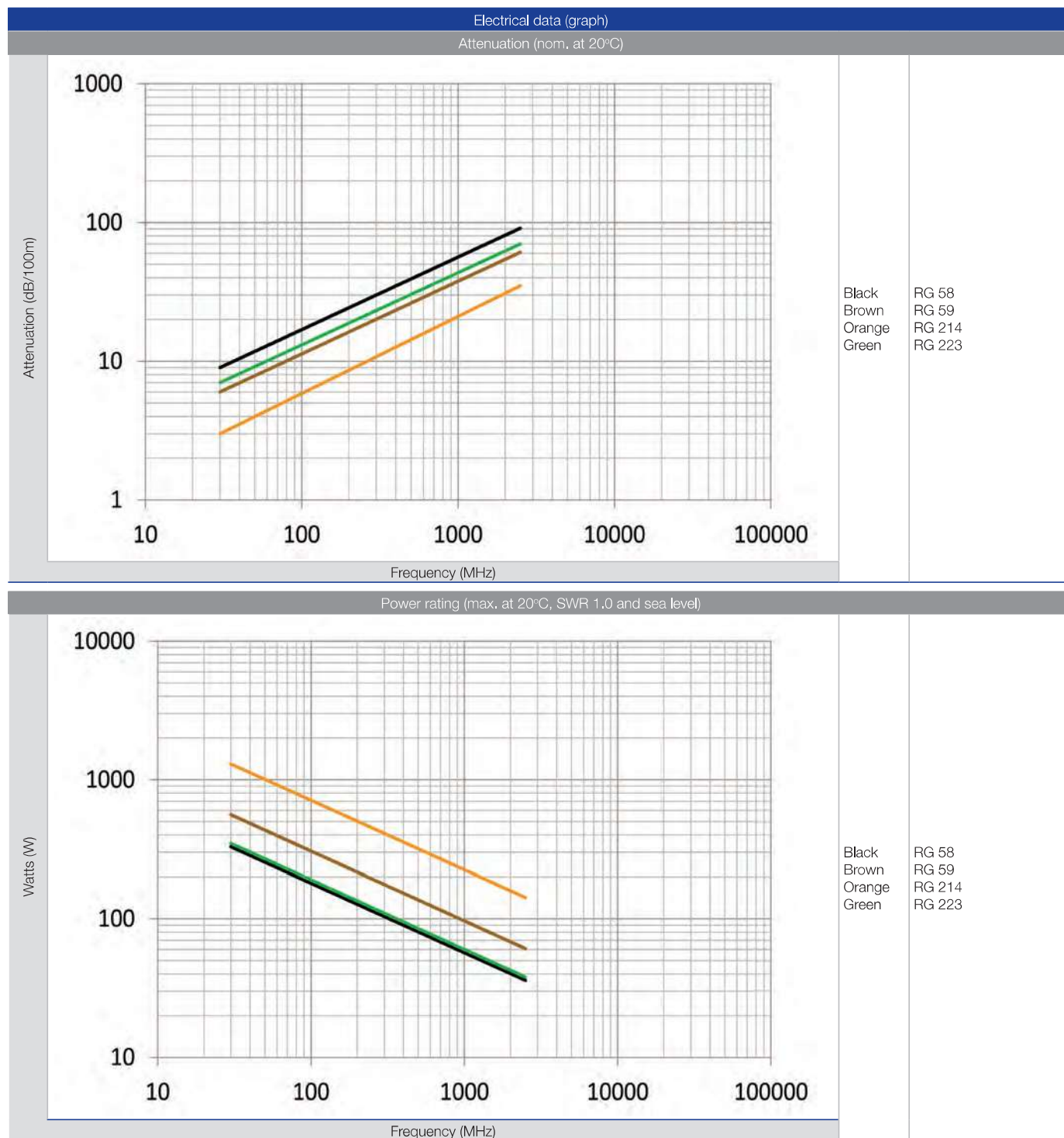
Habia Cable's RG (LS0H) coaxials take the industry standard RG (PVC) type coaxials such as RG 58 and RG 59 and add a Low Smoke Zero Halogen (LSZH or LS0H) sheath. This provides a completely halogen free cable that is ideal for use in sensitive areas where the corrosive and toxic gasses released by PVC under fire-conditions are prohibited.

Variants

In order to provide a solution at higher temperatures, many standard PVC and LS0H type RG coaxes can be changed for fluoropolymer alternatives as per the following cross-reference table:

Cross-reference table

RG 58 (LS0H)	Replace with: RG 400
RG 59 (LS0H)	Replace with: RG 302
RG 214 (LS0H)	Replace with: RG 393
RG 223 (LS0H)	Replace with: RG 142



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