RGL and SML low noise cables

-65ºC/+200ºC

Low noise cable

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 Copper (SPC) Silver Plated Copper Covered Steel (SCCS) Silver Plated High Strength Copper Alloy (HSA)	Dielectric	PTFE with integral low-noise carbon dispersion layer
Shield	Braid of Silver Plated Copper (S)	Sheath	RGL FEP or PTFE SML FEP

Applications

Suitable for use with piezo-electric sensors as well as other highly sensitive detection or measurement equipment, low noise cables have extremely low microphonic sensitivity due to the application of an integral carbon layer between the dielectric and the screen. Any electrical charge formed by movement or pressure on the cable is rapidly returned to and from the screen, effectively trapping these unwanted signals so that they are unable to interfere with the equipment connected to the cable.

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	
RGL 179	SCCS 7x 0.10	0.30	1.60 LN: 1.62	S: 2.05	FEP: 2.54	16	900 1,800	75	75	20 40	30000-179-04
RGL 187	SCCS 7x 0.10	0.30	1.60 LN: 1.62	S: 2.05	PTFE: 2.69	16	900 1,800	75	75	20 40	30000-187-01
RGL 196	SCCS 7x 0.10	0.30	0.89 LN: 0.91	S: 1.35	PTFE: 2.00	9	500 1,000	50	105	20 40	30000-196-01
RGL 316	SCCS 7x 0.18	0.51	1.56 LN: 1.58	S: 2.00	FEP: 2.49	15	900 1,800	50	105	20 40	30000-316-12
RGL 400	SPC 19x 0.20	0.98	2.98 LN: 3.00	S: 3.55 S: 4.10	FEP: 4.95	64	1,400 2,800	50	105	30 60	31482-005-04
SML 50	HSA 1x 0.16	0.16	0.52 LN: 0.54	S: 0.80	FEP: 1.00	3	400 800	50	105	5 10	30000-050-01