BS 3G 210 TYPE C

-75°C to +190°C, 600V



Construction
Conductor: Silver Plated Copper or Nickel Plated Copper
Insulation: Extruded · PTFE

Thermal Characteristics
Operating Temperature: -75°C to +190°C
Conductor Plating Temperature Rating: Silver-Plated Copper (SPC): -75°C to +190°C · Nickel-Plated Copper (NPC): -75°C to +260°C

Electrical Characteristics
Operating Voltage: 600V

Application
Aerospace & Defense Equipment: High-reliability internal interconnect wiring for avionics, defense electronics, and instrumentation requiring BS 3G 210 Type C PTFE insulation.

General Characteristics
Thermal & Fluid Inertness: Extruded PTFE insulation resists aviation fuels, hydraulic fluids, lubricants, and extreme thermal cycling.
Dielectric & Non-Flammability Performance: Low dielectric loss and inherent fluoropolymer non-flammability for demanding airframe and avionics service.

Standards & Approvals
BS 3G 210:1996: PTFE-insulated equipment wire, Type C (600 V rms).

CASMO Part No.	Conductor					Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)	Nom. Conductor Dia. (mm)	Max. Conductor Dia. (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
BS3G210-C-32-7-*	32	7	0.079	0.24	0.26	0.69	0.89	557.7	1.34
BS3G210-C-30-7-*	30	7	0.102	0.3	0.33	0.74	0.94	328.1	1.64
BS3G210-C-28-7-*	28	7	0.127	0.38	0.4	0.81	1.02	208.7	2.08
BS3G210-C-26-7-*	26	7	0.16	0.48	0.5	0.91	1.12	130.3	2.98
BS3G210-C-26-19-*	26	19	0.102	0.48	0.55	0.91	1.14	122.4	3.1
BS3G210-C-24-7-*	24	7	0.203	0.61	0.63	1.04	1.24	80.4	4.17
BS3G210-C-24-19-*	24	19	0.127	0.6	0.67	1.04	1.27	77.4	4.3
BS3G210-C-22-7-*	22	7	0.254	0.76	0.79	1.19	1.4	51.2	5.65
BS3G210-C-22-19-*	22	19	0.16	0.75	0.84	1.19	1.45	48.6	5.95
BS3G210-C-20-19-*	20	19	0.203	0.96	1.05	1.4	1.6	29.9	8.63
BS3G210-C-18-19-*	18	19	0.254	1.19	1.31	1.65	1.91	19	12.8
BS3G210-C-16-19-*	16	19	0.287	1.35	1.48	1.8	2.11	14.9	16.07
BS3G210-C-14-19-*	14	19	0.361	1.69	1.86	2.18	2.54	9.42	24.1
BS3G210-C-12-19-*	12	19	0.455	2.14	2.34	2.67	3.07	5.94	36.6
BS3G210-C-10-37-*	10	37	0.404	2.79	2.95	3.28	3.73	3.9	55.4

Table Notes

* Replace "*" in part number with insulation color digit 0–9 per Color Code Chart below.

1. Dimensions and maximum DCR at 20°C (for Silver-Plated Copper) per BS 3G 210:1996.

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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COLOR CODE CHART					
Cond. #	**Color**	**Cond. #**	**Color**	**Cond. #**	**Color**
0	Black	4	Yellow	8	Gray
1	Brown	5	Green	9	White
2	Red	6	Blue		
3	Orange	7	Violet		

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