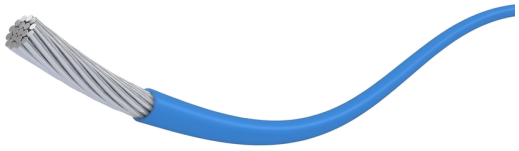
casmocable
CABLES FOR EXTREMES

BS 3G 210 TYPE A

-75°C to +190°C, 300V



Construction
Conductor: Silver Plated Copper
Insulation: Extruded · PTFE

Thermal Characteristics
Operating Temperature: -75°C to +190°C

Electrical Characteristics
Operating Voltage: 300V
Test Voltage: 2500V / 1 min

Application
Aerospace & Defense Equipment: High-reliability internal interconnect wiring for avionics, defense electronics, and instrumentation requiring BS 3G 210 Type A 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 A (300 V rms, thin wall).

Fire Performance
Fire Retardant: SAE AS4373

RoHS COMPLIANT REACH COMPLIANT

CASMO Part No.	Conductor					Cable		Max. DCR @20°C (Ω/km)	Max. 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-A-32-1-*	32	1	0.203	0.2	0.21	0.41	0.56	544.6	0.74
BS3G210-A-32-7-*	32	7	0.079	0.24	0.26	0.51	0.61	557.7	0.78
BS3G210-A-30-1-*	30	1	0.254	0.25	0.26	0.51	0.61	347.8	1.04
BS3G210-A-30-7-*	30	7	0.102	0.3	0.33	0.56	0.66	328.1	1.08
BS3G210-A-28-7-*	28	7	0.127	0.38	0.4	0.64	0.74	208.7	1.49
BS3G210-A-26-7-*	26	7	0.16	0.48	0.5	0.74	0.84	130.3	2.38
BS3G210-A-26-19-*	26	19	0.102	0.48	0.55	0.74	0.86	122.4	2.45
BS3G210-A-24-7-*	24	7	0.203	0.61	0.63	0.86	0.97	80.4	3.45
BS3G210-A-24-19-*	24	19	0.127	0.6	0.67	0.86	0.99	77.4	3.55
BS3G210-A-22-7-*	22	7	0.254	0.76	0.79	1.02	1.12	51.2	4.9
BS3G210-A-22-19-*	22	19	0.16	0.75	0.84	1.02	1.17	48.6	5.1
BS3G210-A-20-19-*	20	19	0.203	0.96	1.05	1.22	1.32	29.9	7.44
BS3G210-A-18-19-*	18	19	0.254	1.19	1.31	1.47	1.63	19	11.2
BS3G210-A-16-19-*	16	19	0.287	1.35	1.48	1.68	1.88	14.9	14.1

Table Notes

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

1. Dimensions, maximum DCR at 20°C (Silver-Plated Copper), and maximum cable weight per BS 3G 210:1996 Table 2 (Type A).

‡ Manufactured to BS 3G 210:1996 dimensional and performance reference specifications (non-QPL); confirm required aerospace qualification, CoC, or lot test reports with CASMO Engineering prior to flight-critical release.

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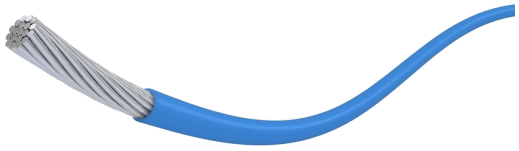

COLOR CODE CHART					
Cond. #	**Color**	**Cond. #**	**Color**	**Cond. #**	**Color**
0	Black	4	Yellow	8	Gray
1	Brown	5	Green	9	White
2	Red	6	Blue		
3	Orange	7	Violet		

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