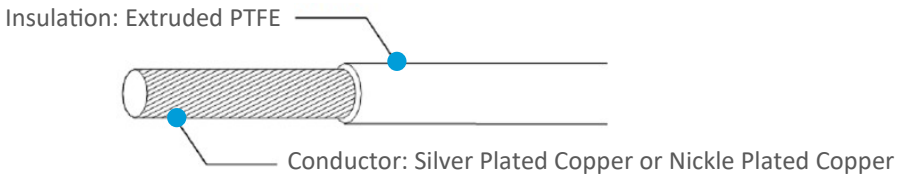
PTFE Insulated Equipment Wire to BS 3G210

PTFE wires are ideal for use where a high level of reliability is required and are suitable for wiring electrical and electronic equipment, high performance aerospace applications, high levels of thermal and chemical resistance. Applications where resistance to acid, alkalis, solvents, hydraulic fluid, fuels, oils and lubricants, aircraft and rocket fuels.

PTFE is resistant to solder iron damage and is non-flammable and highly flexible.

Operating temperature:
-50 °C to + 190 °C (flexing environment)
-75° C to +200° C (static environment)

Physical Characteristics



Summary of Characteristics

Type	Conductor	Temperature °C	Voltage
A	Silver Plated Copper	190	300
B	Silver Plated Copper	190	600
C	Silver Plated Copper	190	1000
NA	Nickel Plated Copper	260	300
NB	Nickel Plated Copper	260	600
NC	Nickel Plated Copper	260	1000

Colour Options***

Colour	Colour Key	Colour	Colour Key	Colour	Colour Key
Red	001	Green	005	Orange	009
Black	002	Yellow	006	Pink	012
White	003	Brown	007	Violet	015
Blue	004	Grey	008	Bi and Tri Colour	Available on request

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HOW CAN I HELP?

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Type A

Part No.	Size	No. of Strands	Nominal diameter of strands *mm*	Nom. diameter of conductor *mm*	Nom. Insulation R.T. *mm*	Overall diameter *mm*		Max Resistance at *20°C Ω/km*	Max Wt. *Kg/km*
						Min.	Max		
SPC00492A***	32	7	0.080	0.240	0.15	0.44	0.59	558.0	0.84
SPC00462A***	30	1	0.250	0.250	0.15	0.45	0.60	377.0	0.96
SPC02994A***		7	0.100	0.300	0.15	0.50	0.65	353.0	1.10
SPC03874A***	28	1	0.320	0.320	0.15	0.52	0.67	229.0	1.32
SPC00441A***		7	0.120	0.360	0.15	0.56	0.71	244.0	1.40
SPC00440A***	26	1	0.400	0.400	0.15	0.60	0.75	146.0	1.83
SPC06611A***		7	0.150	0.450	0.15	0.65	0.80	159.0	1.96
SPC00442A***		19	0.100	0.500	0.15	0.70	0.85	130.0	2.26
SPC04082A***	24	7	0.200	0.600	0.15	0.80	0.95	88.30	3.04
SPC00443A***		19	0.120	0.600	0.15	0.80	0.95	89.8	2.99
SPC00444A***	22	19	0.150	0.750	0.15	0.95	1.10	58.6	4.41
SPC00445A***	20	19	0.200	1.000	0.15	1.20	1.35	32.5	7.19

Type B

Part No.	Size	No. of Strands	Nominal diameter of strands *mm*	Nom. diameter of conductor *mm*	Nom. Insulation R.T. *mm*	Overall diameter *mm*		Max Resistance at *20°C Ω/km*	Max Wt. *Kg/km*
						Min.	Max		
SPC06788A***	32	7	0.080	0.240	0.25	0.65	0.84	558.0	1.44
SPC06490A***	30	7	0.100	0.300	0.25	0.70	0.90	353.0	1.75
SPC03796A***	28	7	0.120	0.360	0.25	0.76	0.96	244.0	2.10
SPC00476A***	26	1	0.400	0.400	0.25	0.80	1.00	146.0	2.56
SPC04106A***		7	0.150	0.450	0.25	0.85	1.05	159.0	2.74
SPC06663A***		19	0.100	0.500	0.25	0.90	1.10	130.0	3.09
SPC03237A***	24	7	0.200	0.600	0.25	1.00	1.20	88.30	3.95
SPC00447A***		19	0.120	0.600	0.25	1.00	1.20	89.8	3.89
SPC00446A***	23	1	0.600	0.600	0.25	1.00	1.20	64.3	4.38
SPC00448A***	22	19	0.150	0.750	0.25	1.15	1.35	58.6	5.44
SPC00449A***	20	19	0.200	1.000	0.25	1.40	1.60	32.5	8.43
SPC00463A***	18	19	0.250	1.250	0.25	1.65	1.85	20.6	12.11

Type C

Part No.	Size	No. of Strands	Nominal diameter of strands *mm*	Nom. diameter of conductor *mm*	Nom. Insulation R.T. *mm*	Overall diameter *mm*		Max Resistance at *20°C Ω/km*	Max Wt. *Kg/km*
						Min.	Max		
†	32	7	0.080	0.240	0.40	0.90	1.16	558.0	2.52
†	30	7	0.100	0.300	0.40	0.96	1.22	353.0	2.90
SPC00527A***	28	7	0.120	0.360	0.40	1.02	1.28	244.0	3.31
SPC06351A***	26	7	0.150	0.450	0.40	1.11	1.37	159.0	4.04
SPC06662A***		19	0.100	0.500	0.40	1.16	1.42	130.0	4.45
†	24	7	0.200	0.600	0.40	1.26	1.52	88.30	5.42
SPC00452A***		19	0.120	0.600	0.40	1.26	1.52	89.8	5.36
SPC00471A***	22	19	0.150	0.750	0.40	1.41	1.67	58.6	7.08
SPC00453A***	20	19	0.200	1.000	0.40	1.66	1.92	32.5	10.33
†	19	1	0.900	0.900	0.40	1.56	1.82	28.5	9.94
SPC06219A***	18	19	0.250	1.250	0.40	1.91	2.17	20.6	14.30
SPC00454A***	16	19	0.300	1.500	0.40	2.16	2.46	14.3	19.25
SPC00475A***	14	19	0.335	1.675	0.40	2.34	2.74	11.4	23.90
SPC00455A***	12	19	0.450	2.250	0.40	2.91	3.31	6.28	38.50
SPC01539A***	10	37	0.400	2.800	0.43	3.46	3.86	4.01	56.00

† Available on Application

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Type NA

Size	No. of Strands	Nominal diameter of strands *mm*	Nom. diameter of conductor *mm*	Nom. Insulation R.T. *mm*	Overall diameter *mm*		Max Resistance at *20°C Ω/km*	Max Wt. *Kg/km*
					Min.	Max		
32	7	0.080	0.240	0.15	0.44	0.59	65.0	0.84
30	1	0.250	0.250	0.15	0.45	0.60	387.0	0.96
	7	0.100	0.300	0.15	0.50	0.65	28.6	1.10
28	1	0.320	0.320	0.15	0.52	0.67	234.0	1.32
	7	0.120	0.360	0.15	0.56	0.71	258.0	1.40
26	1	0.400	0.400	0.15	0.60	0.75	148.0	1.83
	7	0.150	0.450	0.15	0.65	0.80	166.0	1.96
	19	0.100	0.500	0.15	0.70	0.85	139.0	2.26
24	7	0.200	0.600	0.15	0.80	0.95	91.2	3.04
	19	0.120	0.600	0.15	0.80	0.95	94.9	2.99
22	19	0.150	0.750	0.15	0.95	1.10	61.3	4.41
20	19	0.200	1.000	0.15	1.20	1.35	33.6	7.19

Type NB

Size	No. of Strands	Nominal diameter of strands *mm*	Nom. diameter of conductor mm	Nom. Insulation R.T. *mm*	Overall diameter *mm*		Max Resistance at *20°C Ω/km*	Max Wt. *Kg/km*
					Min.	Max		
32	7	0.080	0.240	0.25	0.65	0.84	148.0	1.44
30	7	0.100	0.300	0.25	0.70	0.90	65.0	1.75
28	7	0.120	0.360	0.25	0.76	0.96	28.6	2.10
26	1	0.400	0.400	0.25	0.80	1.00	387.0	2.56
	7	0.150	0.450	0.25	0.85	1.05	258.0	2.74
	19	0.100	0.500	0.25	0.90	1.10	91.2	3.09
24	7	0.200	0.600	0.25	1.00	1.20	166.0	3.95
	19	0.120	0.600	0.25	1.00	1.20	139.0	3.89
23	1	0.600	0.600	0.25	1.00	1.20	234.0	4.38
22	19	0.150	0.750	0.25	1.15	1.35	94.9	5.44
20	19	0.200	1.000	0.25	1.40	1.60	61.3	8.43
18	19	0.250	1.250	0.25	1.65	1.85	33.6	12.11

Type NC

Size	No. of Strands	Nominal diameter of strands *mm*	Nom. diameter of conductor *mm*	Nom. Insulation R.T. *mm*	Overall diameter *mm*		Max Resistance at *20°C Ω/km*	Max Wt. *Kg/km*
					Min.	Max		
32	7	0.080	0.240	0.40	0.90	1.16	605.0	2.52
30	7	0.100	0.300	0.40	0.96	1.22	377.0	2.90
28	7	0.120	0.360	0.40	1.02	1.28	258.0	3.31
26	19	0.100	0.500	0.40	1.16	1.42	139.0	4.45
	7	0.150	0.450	0.40	1.11	1.37	166.0	4.04
24	7	0.200	0.600	0.40	1.26	1.52	91.2	5.42
	19	0.120	0.600	0.40	1.26	1.52	94.9	5.36
22	19	0.150	0.750	0.40	1.41	1.67	61.3	7.08
20	19	0.200	1.000	0.40	1.66	1.92	33.6	10.33
19	1	0.900	0.900	0.40	1.56	1.82	28.6	9.94
18	19	0.250	1.250	0.40	1.91	2.17	21.2	14.30
16	19	0.300	1.500	0.40	2.16	2.46	14.6	19.25
14	19	0.335	1.675	0.40	2.34	2.74	11.6	23.90
12	19	0.450	2.250	0.40	2.91	3.31	6.38	38.50
10	37	0.400	2.800	0.43	3.46	3.86	4.08	56.00

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