

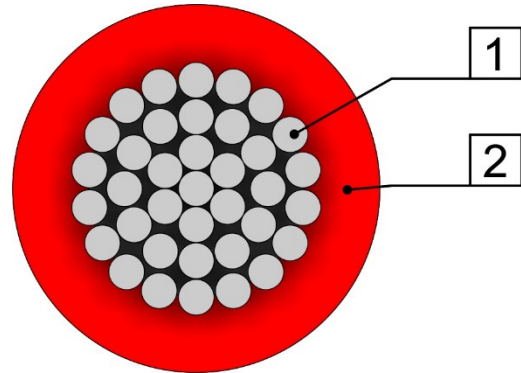
PTFE EQUIPMENT WIRE

Construction

- 1 Silver plated copper conductor
- 2 PTFE (Polytetrafluoroethylene) insulation

Options available: Nickel plated copper conductor

Approval options: UL, MIL-W-16878 to NEMA HP3, HP4 – MIL-W-22759 to SAE AS2259



Norms: BS3G210

Voltage:

BSG					
Type A	300v (r.m.s) unscreened	Type B	600v (r.m.s) unscreened	Type C	1000v (r.m.s) unscreened
Type AS	300v (r.m.s) screened	Type BS	600v (r.m.s) screened	Type CS	1000v (r.m.s) screened
Type ASM	300v (r.m.s) screened & sheathed	Type BSM	600v (r.m.s) screened & sheathed	Type CSM	1000v (r.m.s) screened & sheathed
MIL					
Type ET	250v (r.m.s) unscreened	Type E	600v (r.m.s) unscreened	Type EE	1000v (r.m.s) unscreened

Working Temperature: Silver plated copper -75°C to +190°C, -50°C for continuous flexing
 Nickel plated copper -75°C to +260°C

Colours: Black, Blue, Brown, Green, Grey, Orange, Pink, Red, Violet, White, Yellow
 (Bi-colours and Tri colours combinations available to special order)

Application: Suitable for wiring electrical and electronic equipment and for use in high performance aerospace application. Environments requiring high levels of thermal and chemical resistance. PTFE is extremely resistant to acid, alkalis, solvents, fuels, hydraulic fluid, oils and lubricants, aircraft and rocket fuel; highly flexible, resistant to solder iron damage and non-flammable.

Ordering information

Part number example: 36A2019B00 20awg (19) Type B Black – Silver plated copper
 36A2019B00N 20awg (19) Type B Black – Nickel plated copper

Category	Conductor Size	Stranding	Voltage Category	Colour	Conductor Material
36	A20	19	B	00	
36	A20	19	B	00	N

PTFE EQUIPMENT WIRE

Conductor					BS3G210 Type and Maximum Overall Diameter (mm)							
Size AWG	Stranding (mm)	CSA (mm ²)	Max. Res. @ 20°C (Ω/Km)	Current Rating (Amps)	Type A	Type AS	Type B	Type BS	Type BSM	Type C	Type CS	Type CSM
30	1/0.250	0.049	377.0	2	0.60	*	*	*	*	*	*	*
28	1/0.32	0.080	229.0	3	0.67	*	*	*	*	*	*	*
26	1/0.40	0.126	146.0	4	0.75	0.75	1.0	*	*	*	*	*
22	1/0.60	0.283	64.30	7	*	*	1.2	*	*	*	*	*
19	1/0.90	0.636	28.50	12	*	*	*	*	*	1.82	2.27	*
32	7/0.08	0.035	558.0	1.5	0.59	1.04	0.84	1.29	1.89	1.16	1.61	2.21
30	7/0.01	0.055	353.0	2	0.65	1.10	0.90	1.35	1.95	1.22	1.67	2.27
28	7/0.12	0.079	244.0	3	0.71	1.16	0.96	1.41	2.01	1.28	1.73	2.33
26	7/0.15	0.124	159.0	4	0.80	1.25	1.05	1.50	2.10	1.37	1.82	2.42
24	7/0.20	0.220	88.30	6	0.95	1.40	1.20	1.65	2.25	1.52	1.97	2.57
26	19/0.10	0.149	130.00	5	0.85	1.30	1.10	1.55	2.15	1.42	1.87	2.47
24	19/0.12	0.215	89.80	6	0.95	1.40	1.20	1.65	2.25	1.52	1.97	2.57
22	19/0.15	0.336	58.60	8	1.10	1.55	1.35	1.80	2.40	1.67	2.12	2.72
20	19/0.20	0.597	32.50	11	1.35	1.80	1.60	2.05	2.65	1.92	2.37	2.97
18	19/0.25	0.933	20.60	15	*	*	1.85	2.35	2.90	2.17	2.62	3.22
16	19/0.30	1.343	14.30	20	*	*	*	*	*	2.46	2.92	3.51
14	19/0.335	1.675	11.40	23	*	*	*	*	*	2.74	3.19	3.79
12	19/0.45	3.022	6.28	35	*	*	*	*	*	3.31	3.76	4.36
10	37/0.40	4.650	4.01	47	*	*	*	*	*	3.86	4.31	4.91
					MIL-W-16878 Type and Maximum overall diameter (mm)							
					Type ET	Type E	Type EE					
32	7/0.079				0.60	0.86	1.11					
30	7/0.102				0.66	0.91	1.17					
28	7/0.127				0.73	0.99	1.24					
26	7/0.160				0.83	1.09	1.35					
26	19/0.102				0.83	1.09	1.35					
24	7/0.203				0.96	1.22	1.47					
24	19/0.127				0.96	1.22	1.47					
22	7/0.254				1.11	1.37	1.63					
22	19/0.16				1.11	1.37	1.63					
20	7/0.32				1.32	1.57	1.83					
20	19/0.203				1.32	1.57	1.83					
18	19/0.254				*	1.88	2.13					
16	19/0.287				*	2.21	2.41					
14	19/0.361				*	2.59	2.89					
12	19/0.454				*	3.07	3.38					
10	37/0.404				*	*	3.89					

*denotes size not available to specification in this type but may be available 'generally in accordance to'
 ** Sizes 28-10 AWG are also available to M22759/11 (600v) and M22759/10 (1000v)