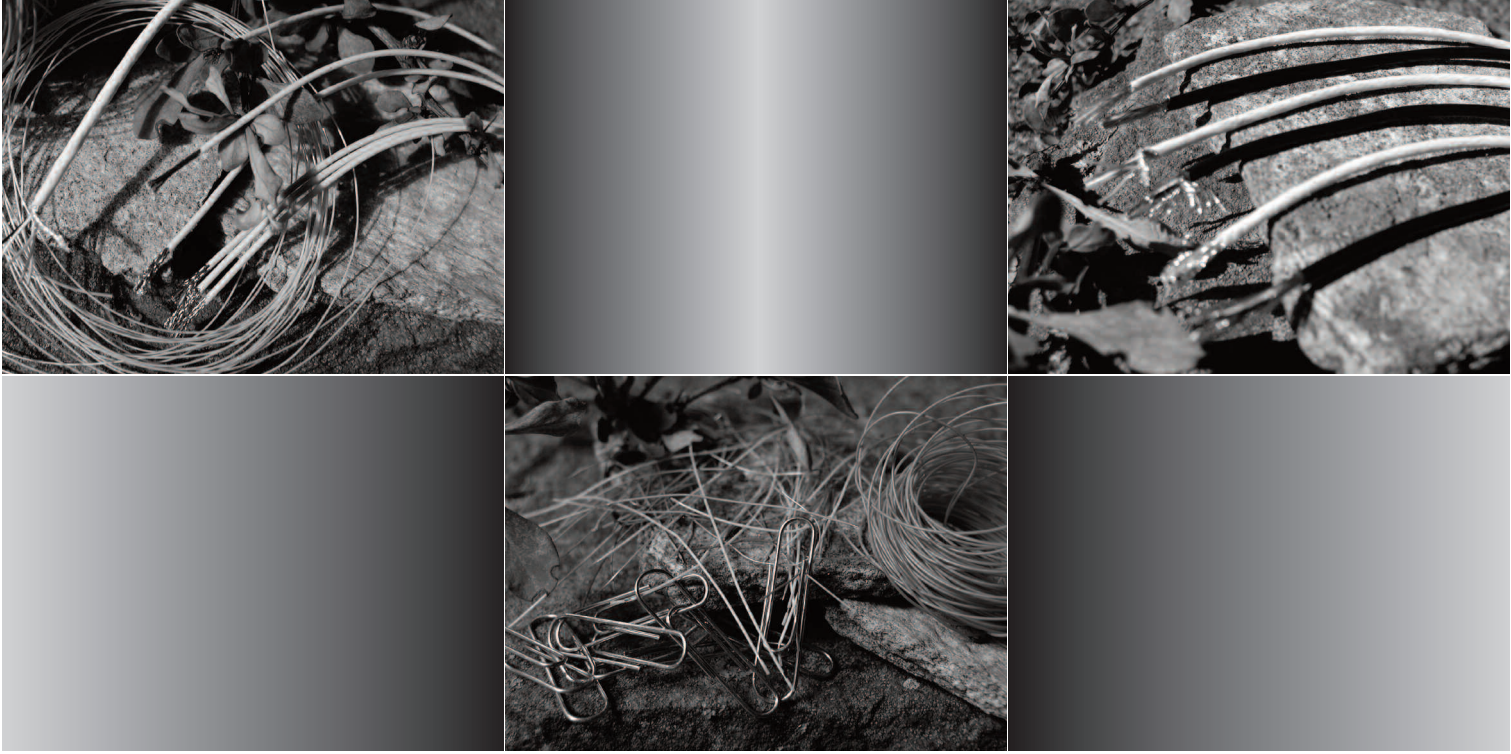


MINIATURE INSULATED WIRES AND CABLES



WIRE & CABLE

Miniature Insulated Wires & Cables

INSULATED WIRES

Temperature: -190°C to +200°C (-330°F to +380°F) for SPSAC and SPSC

Temperature: -190°C to +250°C (-330°F to +470°F) for NPSC. Silver or nickel plated soft copper or alloy copper cores. PFA (PerFluoro Alkoxy) insulation in 12 colours. SPSAC: Silver plated soft alloy copper core. SPSC: Silver plated soft copper core. NPSC : Nickel plated soft copper core.

Reference	AWG	Composition	Inner diameter	Linear resistance
UAM 4001	40 (SPSAC)	1 x 40AWG	0.08mm (0.003 in)	4.5 ohm/m
UAN 3807	38 (NPSC)	7 x 46AWG	0.12mm (0.005 in)	2.2 ohm/m
UAA 3601	36 (SPSC)	1 x 36AWG	0.13mm (0.005 in)	1.5 ohm/m
UAA 3607	36 (SPSC)	7 x 44AWG	0.15mm (0.006 in)	1.4 ohm/m
UAA 3401	34 (SPSC)	1 x 34AWG	0.15mm (0.006 in)	1.0 ohm/m
UAA 3407	34 (SPSC)	7 x 32AWG	0.19mm (0.007 in)	1.0 ohm/m
UAA 3201	32 (SPSC)	1 x 32AWG	0.20mm (0.008 in)	0.6 ohm/m
UBA 3219	32 (SPSC)	19 x 44AWG	0.25mm (0.010 in)	0.5 ohm/m
Reference	Rated Voltage	Test Voltage	Outer Diameter	Tensile Strength
UAM 4001	100 V AC	1,200 Volts AC	0.21mm (0.008 in)	>1.8 N
UAN 3807	100 V AC	1,200 Volts AC	0.265mm (0.010 in)	>2.2 N
UAA 3601	100 V AC	1,200 Volts AC	0.26mm (0.010 in)	>3 N
UAA 3607	150 V AC	1,300 Volts AC	0.30mm (0.012 in)	>3 N
UAA 3401	150 V AC	1,300 Volts AC	0.29mm (0.011 in)	>4 N
UAA 3407	150 V AC	1,300 Volts AC	0.36mm (0.014 in)	>4 N
UAA 3201	150 V AC	1,300Volts AC	0.36mm (0.014 in)	>7 N
UBA 3219	250 V AC	1,500 Volts AC	0.49mm (0.019 in)	>8 N

COAXIAL CABLES

Temperature: -190°C to +200°C (-330°F to +380°F).

Stranded silver plated soft copper cores. PFA dielectric. Silver plated soft copper braid. PFA jacket.

Reference	Z @ 200Mhz	C @ 1Khz	Attenuation (db/m)			
			1 Mhz	10 Mhz	100 Mhz	500 Mhz
U50A-3607 TAU	50 ohms	98 pF/m	0.11	0.27	0.97	2.20
U75A-3607 TAU	75 ohms	62 pF/m	0.07	0.15	0.50	1.18
Reference	Diameters		Over braid		Outer braid	
	<i>Inner core</i>	<i>Dielectric</i>				
U50A-3607 TAU	0.15mm (0.006 in)	0.39mm (0.015 in)	0.62mm (0.024 in)		0.80mm (0.031 in)	
U75A-3607 TAU	0.15mm (0.006 in)	0.77mm (0.030 in)	1.00mm (0.039 in)		1.20mm (0.047 in)	

PFA CABLES

Temperature: -190°C to +250°C (-330°F to +470°F).

Elementary insulated wires. Twisting. Shielded with nickel plated copper or nickel braid. White PFA jacket.

Reference	AWG	Outer Diameter	Rated Voltage	Test Voltage	Comments
2 x UAN 3807 TNU	38	1.00mm (0.039 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)
3 x UAN 3807 TNU	38	1.04mm (0.041 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)
4 x UAN 3807 TNU	38	1.09mm (0.043 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)
5 x UAN 3807 TNU	38	1.18mm (0.046 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)
6 x UAN 3807 TNU	38	1.28mm (0.050 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)
7 x UAN 3807 TNU	38	1.28mm (0.050 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)
12 x UAN 3807 TNU	38	1.59mm (0.063 in)	100 Volts AC	1,300 Volts AC	250 metres (MOQ)

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Miniature Insulated Wires & Cables

AWG 32 FLEXIBLE CABLES

Temperature: -40°C to +125°C (-40°F to +250°F) UBA 3219 insulated wires. Twisting (short pitch). PTFE tape. Shielded with silver plated soft copper braid. PTFE tape. White elasto-styrenic jacket.

Reference	Outer Diameter	Rated Voltage	Test Voltage	Comments
2 x AWG32 TES	1.95mm (0.077 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
3 x AWG32 TES	2.00mm (0.079 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
4 x AWG32 TES	2.10mm (0.083 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
5 x AWG32 TES	2.30mm (0.091 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
6 x AWG32 TES	2.50mm (0.098 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
7 x AWG32 TES	2.50mm (0.098 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
8 x AWG32 TES	2.70mm (0.106 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
10 x AWG32 TES	3.00mm (0.118 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)
12 x AWG32 TES	3.20mm (0.126 in)	100 Volts AC	1,500 Volts AC	500 metres (MOQ)

AWG 32 ROBOTIC CABLES

Temperature: -50°C to +70°C (-55°F to +160°F)

UBA 3219 insulated wires. Twisting (short pitch). PTFE tape. Shielded with silver plated soft copper braid. PTFE Tape. Black polyurethane jacket.

Reference	Outer Diameter	Rated Voltage	Test Voltage	Comments
2 x AWG32 TPU	1.95mm (0.077 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
3 x AWG32 TPU	2.00mm (0.079 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
4 x AWG32 TPU	2.15mm (0.083 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
5 x AWG32 TPU	2.30mm (0.091 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
6 x AWG32 TPU	2.50mm (0.098 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
7 x AWG32 TPU	2.50mm (0.098 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
8 x AWG32 TPU	2.70mm (0.106 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
10 x AWG32 TPU	3.00mm (0.118 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)
12 x AWG32 TPU	3.20mm (0.126 in)	100 Volts AC	1,500 Volts AC	250 metres (MOQ)

PFA CABLES 200°C

Temperature: -190°C to +200°C (-330°F to +380°F).

Elementary insulated wires. Twisting. Shielded with silver plated copper braid. White PFA jacket.

Reference	AWG	Outer Diameter	Rated Voltage	Tested Voltage	Comments
2 x UAA3607 TAU	36	1.03mm (0.040 in)	150 Volts AC	1,300 Volts AC	250 metres (MOQ)
3 x UAA3607 TAU	36	1.08mm (0.043 in)	150 Volts AC	1,300 Volts AC	250 metres (MOQ)
4 x UAA3607 TAU	36	1.15mm (0.045 in)	150 Volts AC	1,300 Volts AC	100 metres (MOQ)
5 x UAA3607 TAU	36	1.24mm (0.049 in)	150 Volts AC	1,300 Volts AC	250 metres (MOQ)
6 x UAA3607 TAU	36	1.36mm (0.054 in)	150 Volts AC	1,300 Volts AC	100 metres (MOQ)
7 x UAA3607 TAU	36	1.37mm (0.054 in)	150 Volts AC	1,300 Volts AC	250 metres (MOQ)
12 x UAA3607 TAU	36	1.72mm (0.068 in)	150 Volts AC	1,300 Volts AC	250 metres (MOQ)
2 x UBA3219 TAU	32	1.42mm (0.056 in)	250 Volts AC	1,500 Volts AC	250 metres (MOQ)
3 x UBA3219 TAU	32	1.50mm (0.059 in)	250 Volts AC	1,500 Volts AC	250 metres (MOQ)
4 x UBA3219 TAU	32	1.62mm (0.059 in)	250 Volts AC	1,500 Volts AC	100 metres (MOQ)
5 x UBA3219 TAU	32	1.77mm (0.070 in)	250 Volts AC	1,500 Volts AC	250 metres (MOQ)
6 x UBA3219 TAU	32	1.90mm (0.075 in)	250 Volts AC	1,500 Volts AC	100 metres (MOQ)
7 x UBA3219 TAU	32	1.92mm (0.076 in)	250 Volts AC	1,500 Volts AC	250 metres (MOQ)
12 x UBA3219 TAU	32	2.53mm (0.100 in)	250 Volts AC	1,500 Volts AC	250 metres (MOQ)

All dimensions are nominal, subject to +/-10% tolerance.

Miniature Insulated Wires & Cables

HIGH PERFORMANCE WIRE AND CABLE

FEATURES & BENEFITS

- Very small diameters
 - Insulated wire from 0.21mm
 - 4 core screened from 1.1mm
- Multi-core, Screened and Coaxial Designs
- Wide range of operating temperatures
- Resistant to a variety of aggressive fluids
- Very flexible
- Bespoke Customer Design Solutions

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