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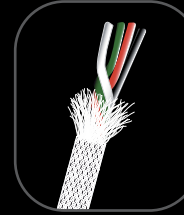
CONCEPTION / RÉALISATION : ATELLIER V&B SELLE - +33 (0)4 66 51 65 03 - [leszotes@club-internet.fr](mailto:leszotes@club-internet.fr)



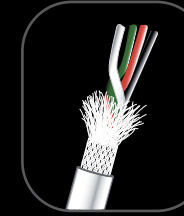
Insulated wires  
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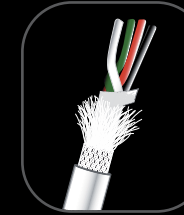
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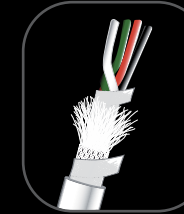
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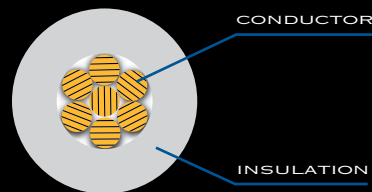
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# Our wires & cables

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# Insulated wires

MINIATURE WIRES FOR MEASURING, MICRO-ELECTRONIC, INTERNAL WIRING I.E. FOR STRAIN GAUGES OR HEAD-PHONES, MICRO-COILS, INSTRUMENTATION AND MEDICAL.



## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE
- INSULATION: TEFLON® OR NEOFロン® PFA
- COLORS: WHITE, RED, BLACK, GREEN, BLUE, YELLOW, VIOLET, GREY, BROWN, ORANGE, PINK AND NATURAL

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

## Miscellaneous

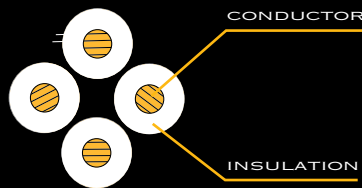
- CUT AND STRIPPED WIRES

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	AWG	COMPOSITION	INNER DIAMETER (mm)	LINEAR RESIST. (Ohm/m)	RATED VOLTAGE (V AC)	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
UAA 3601	36	1x36 AWG	0.127	1.40	150	0.27	0.23
UAA 3607	36	7x44 AWG	0.15	1.30	150	0.30	0.25
UAA 3401	34	1x34 AWG	0.15	1.00	150	0.30	0.28
UAA 3407	34	7x42 AWG	0.19	0.80	150	0.37	0.38
UAA 3201	32	1x32 AWG	0.203	0.52	150	0.37	0.45
UBA 3219	32	19x44 AWG	0.24	0.48	250	0.49	0.64

# Twisted wires

MINIATURE TWISTED WIRES FOR MEASURING,  
MICRO-ELECTRONIC, STRAIN GAUGES INSTALLATIONS,  
INSTRUMENTATION AND MEDICAL.



## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.30 mm
- TWISTING: 8/12 x DIAMETER

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.4 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
2 x UAA3607 J	0.60	0.51
3 x UAA3607 J	0.65	0.76
4 x UAA3607 J	0.73	1.02
5 x UAA3607 J	0.82	1.27
6 x UAA3607 J	0.90	1.53
7 x UAA3607 J	0.90	1.78
8 x UAA3607 J	1.15	2.04
10 x UAA3607 J	1.20	2.55
12 x UAA3607 J	1.25	3.06

J SERIES - 36/7 AWG

# Twisted wires

J SERIES – 34/7 AWG

## Construction

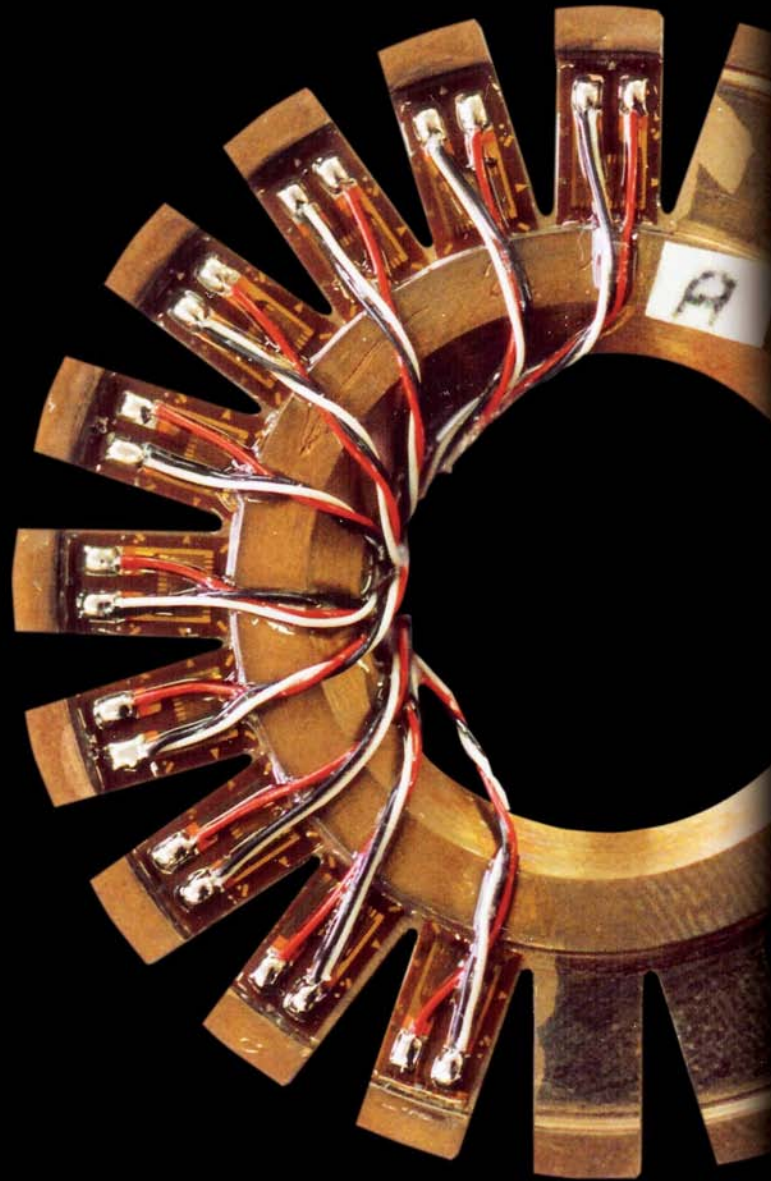
- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 42 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.37 mm
- TWISTING: 8/10 x DIAMETER

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.0 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
2 x UAA3407 J	0.74	0.78
3 x UAA3407 J	0.80	1.16
4 x UAA3407 J	0.90	1.55
5 x UAA3407 J	1.01	1.94
6 x UAA3407 J	1.11	2.32
7 x UAA3407 J	1.11	2.71
8 x UAA3407 J	1.42	3.10
10 x UAA3407 J	1.48	3.88
12 x UAA3407 J	1.54	4.65



(MICRODEF-MM-HT)

D.R

## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 19 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.49 mm
- TWISTING: 8 x DIAMETER

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 250 V AC
- LINEAR RESISTANCE: 0.5 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

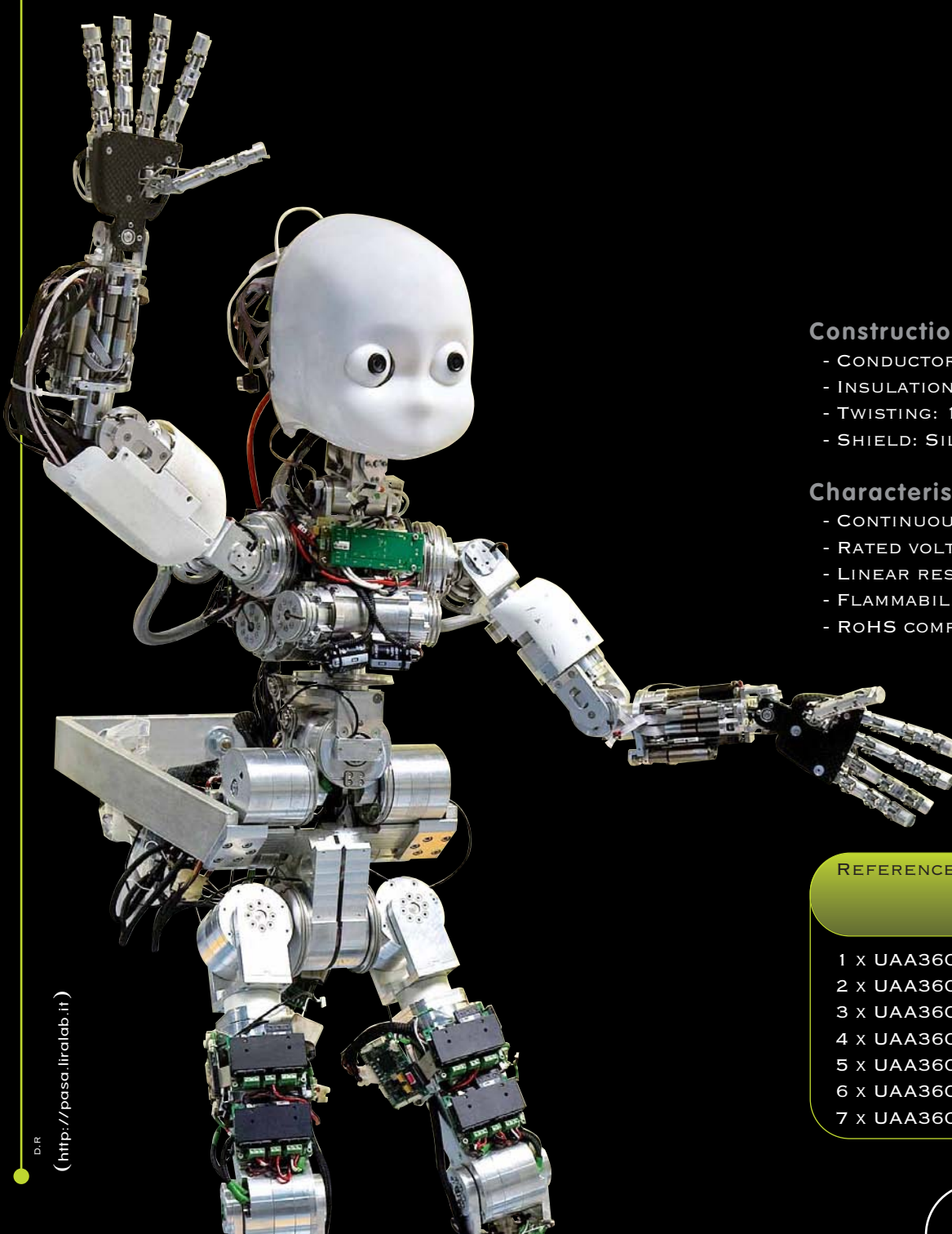
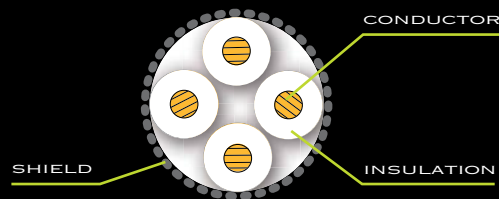
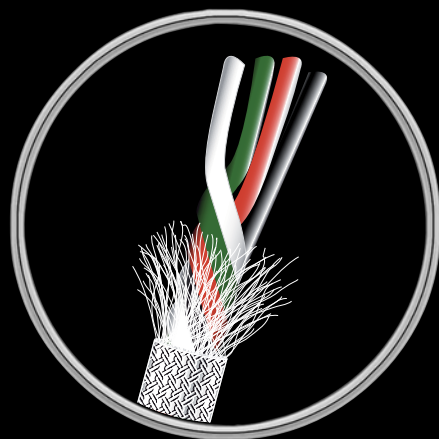
FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
2 x UBA3219 J	0.98	1.31
3 x UBA3219 J	1.06	1.96
4 x UBA3219 J	1.19	2.62
5 x UBA3219 J	1.33	3.26
6 x UBA3219 J	1.47	3.92
7 x UBA3219 J	1.47	4.57
8 x UBA3219 J	1.88	5.22
10 x UBA3219 J	1.96	6.53
12 x UBA3219 J	2.04	7.83

J SERIES – 32/19 AWG

# Shielded wires

MINIATURE SHIELDED WIRES FOR SENSORS, TRANSDUCERS, MICRO-ELECTRONIC, INSTRUMENTATION AND MEDICAL.



D.R.  
(<http://pasc.liralab.it>)

## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.30 mm
- TWISTING: 15 x DIAMETER
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.4 Ohm/m
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523,  
MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
1 x UAA3607 TA	0.52	0.89
2 x UAA3607 TA	0.82	1.52
3 x UAA3607 TA	0.87	1.81
4 x UAA3607 TA	0.95	2.17
5 x UAA3607 TA	1.04	2.57
6 x UAA3607 TA	1.12	2.93
7 x UAA3607 TA	1.12	3.18

## Shielded wires

TA SERIES – 34/7 AWG

### Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 42 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.37 mm
- TWISTING: 15 x DIAMETER
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES

### Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.0 Ohm/m
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
1 x UAA3407 TA	0.59	1.05
2 x UAA3407 TA	0.96	1.98
3 x UAA3407 TA	1.02	2.41
4 x UAA3407 TA	1.12	2.95
5 x UAA3407 TA	1.23	3.52
6 x UAA3407 TA	1.33	4.05
7 x UAA3407 TA	1.33	4.44



D.R

### Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 19 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.49 mm
- TWISTING: 15 x DIAMETER
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES

### Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 250 V AC
- LINEAR RESISTANCE: 0.5 Ohm/m
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

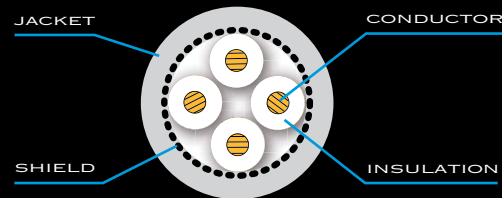
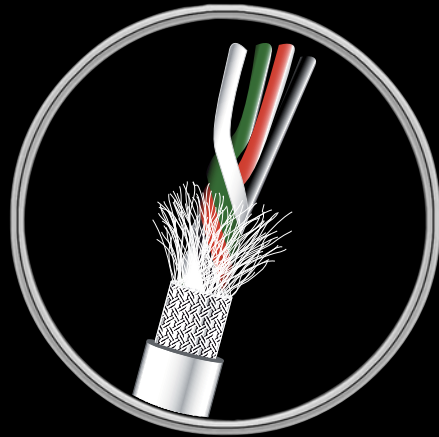
FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
1 x UBA3219 TA	0.71	1.50
2 x UBA3219 TA	1.20	2.82
3 x UBA3219 TA	1.28	3.56
4 x UBA3219 TA	1.41	4.37
5 x UBA3219 TA	1.55	5.21
6 x UBA3219 TA	1.69	6.06
7 x UBA3219 TA	1.69	6.71

TA SERIES – 32/19 AWG

# TAU cables

MINIATURE PFA CABLES FOR SENSORS, TRANSDUCERS, MICRO-ELECTRONIC, INSTRUMENTATION AND MEDICAL.



## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.30 mm
- TWISTING: 15 x DIAMETER
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1,4 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
1 x UAA3607 TAU	0.72	1.40
2 x UAA3607 TAU	1.03	2.30
3 x UAA3607 TAU	1.08	2.60
4 x UAA3607 TAU	1.16	3.10
5 x UAA3607 TAU	1.26	3.60
6 x UAA3607 TAU	1.35	4.10
7 x UAA3607 TAU	1.35	4.30
8 x UAA3607 TAU	1.62	5.20
12 x UAA3607 TAU	1.72	6.40

TAU SERIES - 36/7AWG

# TAU cables

TAU SERIES - 34/7 AWG

## Construction

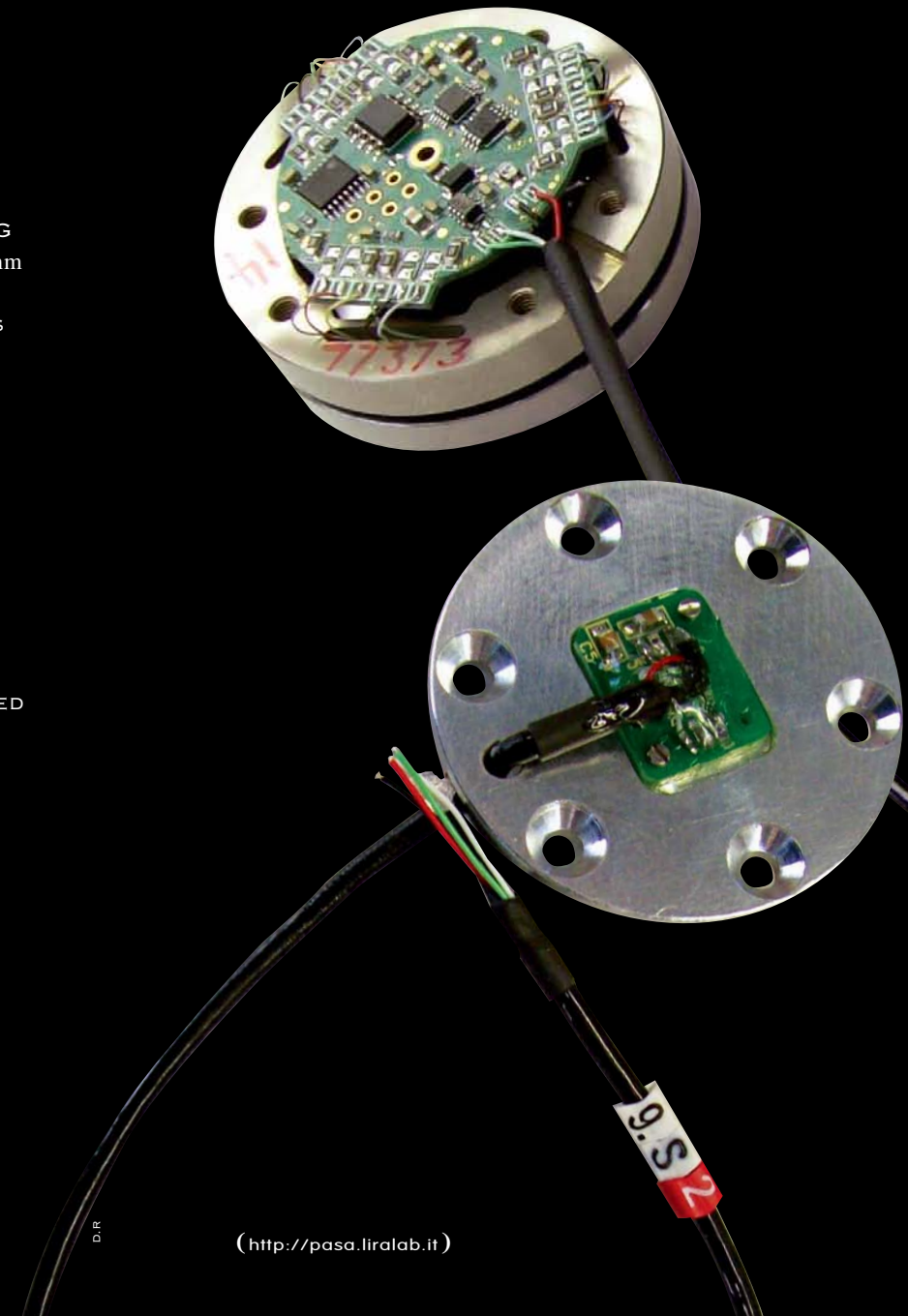
- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 42 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.37 mm
- TWISTING: 15 x DIAMETER
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.0 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
1 x UAA3407 TAU	0.80	1.60
2 x UAA3407 TAU	1.17	3.00
3 x UAA3407 TAU	1.24	3.40
4 x UAA3407 TAU	1.35	4.00
5 x UAA3407 TAU	1.46	4.70
6 x UAA3407 TAU	1.56	5.40



## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 19 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.49 mm
- TWISTING: 15 x DIAMETER
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 250 V AC
- LINEAR RESISTANCE: 0.5 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

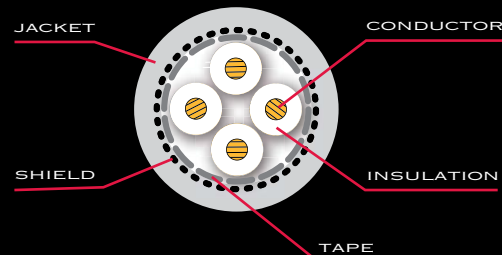
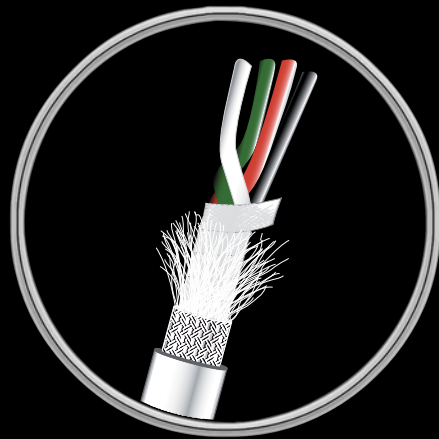
REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
1 x UBA3219 TAU	0.91	2.10
2 x UBA3219 TAU	1.43	3.90
3 x UBA3219 TAU	1.51	4.70
4 x UBA3219 TAU	1.64	5.70
5 x UBA3219 TAU	1.79	6.70
6 x UBA3219 TAU	1.93	7.60
7 x UBA3219 TAU	1.93	8.30
8 x UBA3219 TAU	2.36	9.90
12 x UBA3219 TAU	2.53	12.80

TAU SERIES - 32/19 AWG



# TFA cables

MINIATURE PFA CABLES FOR DYNAMIC USES, SENSORS, TRANSDUCERS, MICRO-ELECTRONIC, INSTRUMENTATION AND MEDICAL.



## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.30 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.4 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- DYNAMIC BENDING RESISTANCE: GOOD
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED.

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
8 x AWG36 TFA	1.83	6.00
10 x AWG36 TFA	1.87	7.30
12 x AWG36 TFA	1.91	7.90
16 x AWG36 TFA	2.09	9.40
19 x AWG36 TFA	2.17	10.30
24 x AWG36 TFA	2.76	12.60

# TFA cables

TFA SERIES – 34/7 AWG

## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 42 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.37 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.0 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- DYNAMIC BENDING RESISTANCE: GOOD
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
5 x AWG34 TFA	1.70	6.20
6 x AWG34 TFA	1.78	6.80
8 x AWG34 TFA	2.09	8.30
10 x AWG34 TFA	2.15	9.30
12 x AWG34 TFA	2.21	10.20
16 x AWG34 TFA	2.42	12.10
19 x AWG34 TFA	2.53	13.50



(FGP instrumentation)

## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 19 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.49 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- RATED VOLTAGE: 250 V AC
- LINEAR RESISTANCE: 0.5 Ohm/m
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- DYNAMIC BENDING RESISTANCE: GOOD
- ROHS COMPLIANT

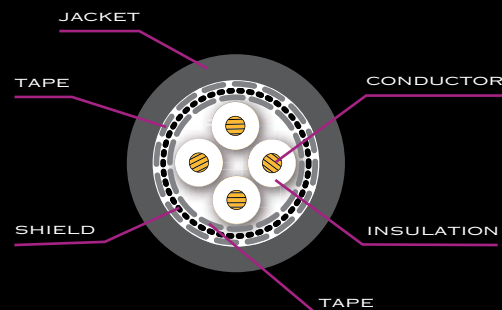
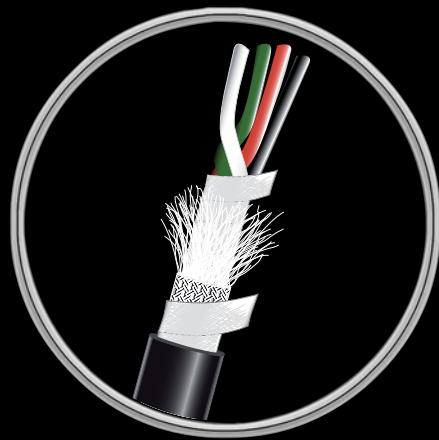
FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
3 x AWG32 TFA	1.74	6.40
4 x AWG32 TFA	1.84	7.10
5 x AWG32 TFA	2.00	8.30
6 x AWG32 TFA	2.14	9.20
8 x AWG32 TFA	2.56	11.30
10 x AWG32 TFA	2.64	12.70
12 x AWG32 TFA	2.73	14.20

TFA SERIES – 32/19 AWG

# TPU cables

MINIATURE FLEXIBLE CABLES FOR ROBOTIC USES, MEASURING, MICRO-ELECTRONIC, INSTRUMENTATION, UNDERWATER SENSORS OR TRANSDUCERS AND MEDICAL.

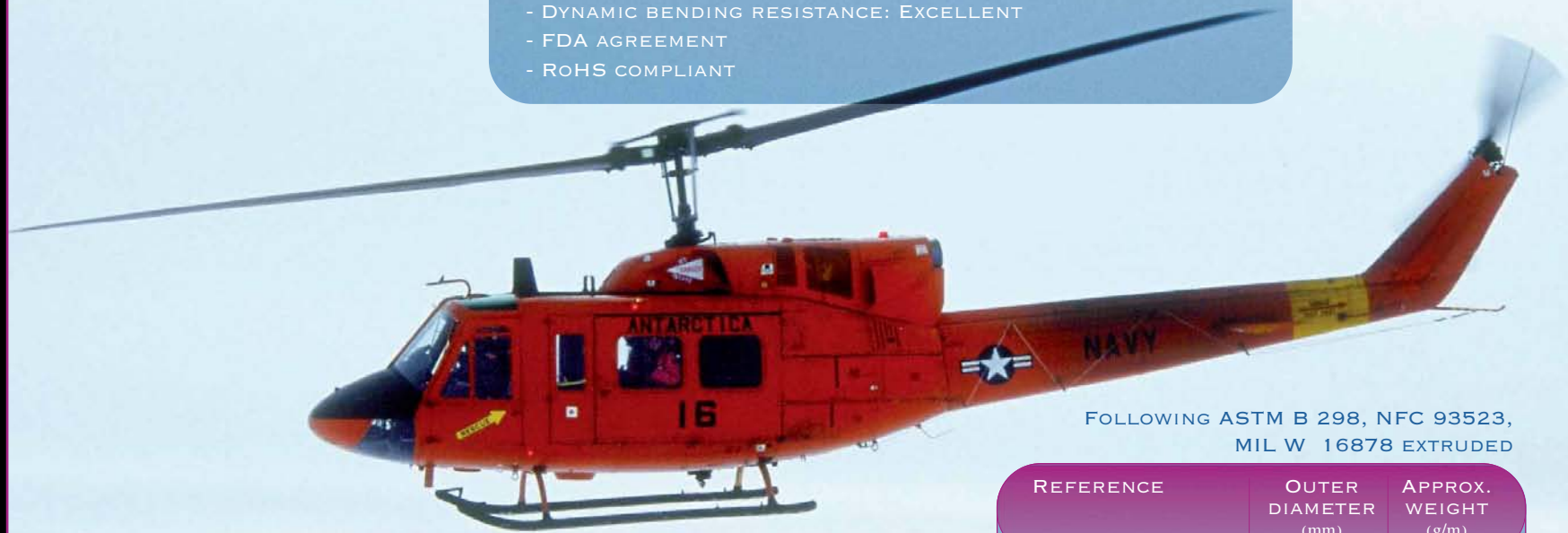


## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.30 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- TAPE: PTFE
- JACKET: POLYURETHANE

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 40 / + 75 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.4 Ohm/m
- CHEMICAL RESISTANCE: GOOD
- WEATHERING RESISTANCE: EXCELLENT
- DYNAMIC BENDING RESISTANCE: EXCELLENT
- FDA AGREEMENT
- ROHS COMPLIANT



FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
8 x AWG36 TPU	2.20	7.70
10 x AWG36 TPU	2.25	8.50
12 x AWG36 TPU	2.30	9.10
16 x AWG36 TPU	2.50	10.60
19 x AWG36 TPU	2.60	11.70
24 x AWG36 TPU	3.20	13.90

## TPU cables

TPU SERIES – 34/7 AWG

### Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 42 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.37 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- TAPE: PTFE
- JACKET: POLYURETHANE

### Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 40 / + 75 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.0 Ohm/m
- CHEMICAL RESISTANCE: GOOD
- WEATHERING RESISTANCE: EXCELLENT
- DYNAMIC BENDING RESISTANCE: EXCELLENT
- FDA AGREEMENT
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
5 x AWG34 TPU	2.10	7.40
6 x AWG34 TPU	2.20	8.10
8 x AWG34 TPU	2.50	9.50
10 x AWG34 TPU	2.60	10.70
12 x AWG34 TPU	2.70	11.80
16 x AWG34 TPU	3.00	14.20
19 x AWG34 TPU	3.10	15.50



### Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 19 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.49 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- TAPE: PTFE
- JACKET: POLYURETHANE

### Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 40 / + 75 °C
- RATED VOLTAGE: 250 V AC
- LINEAR RESISTANCE: 0.5 Ohm/m
- CHEMICAL RESISTANCE: GOOD
- WEATHERING RESISTANCE: EXCELLENT
- DYNAMIC BENDING RESISTANCE: EXCELLENT
- FDA AGREEMENT
- ROHS COMPLIANT

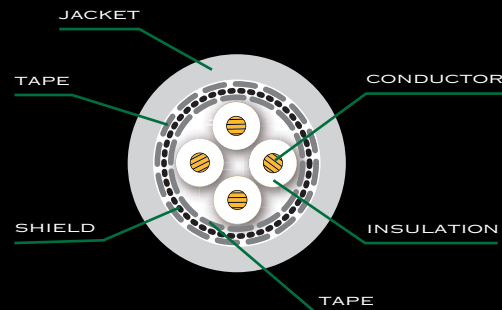
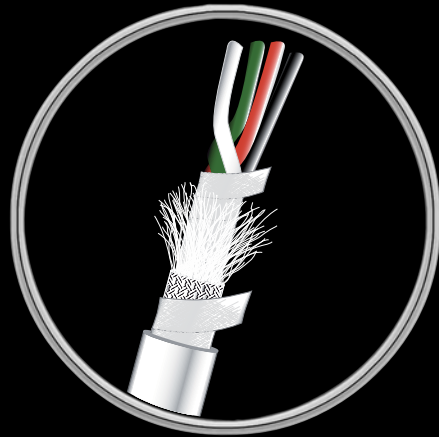
FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
3 x AWG32 TPU	2.10	7.40
4 x AWG32 TPU	2.20	8.30
5 x AWG32 TPU	2.30	9.10
6 x AWG32 TPU	2.50	10.20
8 x AWG32 TPU	2.90	12.10
10 x AWG32 TPU	3.10	14.20
12 x AWG32 TPU	3.20	15.80

TPU SERIES – 32/19 AWG

# TES cables

MINIATURE FLEXIBLE CABLES FOR DYNAMIC USES, MEASURING, MICRO-ELECTRONIC, INSTRUMENTATION, SENSORS OR TRANSDUCERS AND AUTOMOTIVE.



## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.30 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- TAPE: PTFE
- JACKET: STYRENE THERMOPLASTIC ELASTOMER

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 50 / + 125 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.4 Ohm/m
- CHEMICAL RESISTANCE: GOOD
- WEATHERING RESISTANCE: GOOD
- DYNAMIC BENDING RESISTANCE: GOOD
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
8 x AWG36 TES	2.20	7.70
10 x AWG36 TES	2.25	8.50
12 x AWG36 TES	2.30	9.10
16 x AWG36 TES	2.50	10.60
19 x AWG36 TES	2.60	11.70
24 x AWG36 TES	3.20	13.90

# TES cables

TES SERIES - 34/7 AWG

## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 42 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.37 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- TAPE: PTFE
- JACKET: STYRENE THERMOPLASTIC ELASTOMER

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 50 / + 125 °C
- RATED VOLTAGE: 150 V AC
- LINEAR RESISTANCE: 1.0 Ohm/m
- CHEMICAL RESISTANCE: GOOD
- WEATHERING RESISTANCE: GOOD
- DYNAMIC BENDING RESISTANCE: GOOD
- ROHS COMPLIANT

FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
5 x AWG34 TES	2.10	7.40
6 x AWG34 TES	2.20	8.10
8 x AWG34 TES	2.50	9.50
10 x AWG34 TES	2.60	10.70
12 x AWG34 TES	2.70	11.80
16 x AWG34 TES	3.00	14.20
19 x AWG34 TES	3.10	15.50



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## Construction

- CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 19 x 44 AWG
- INSULATION: TEFLON® OR NEOFロン® PFA, DIAMETER 0.49 mm
- TWISTING: 12 x DIAMETER
- TAPE: PTFE
- SHIELD: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- TAPE: PTFE
- JACKET: STYRENE THERMOPLASTIC ELASTOMER

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 50 / + 125 °C
- RATED VOLTAGE: 250 V AC
- LINEAR RESISTANCE: 0.5 Ohm/m
- CHEMICAL RESISTANCE: GOOD
- WEATHERING RESISTANCE: GOOD
- DYNAMIC BENDING RESISTANCE: GOOD
- ROHS COMPLIANT

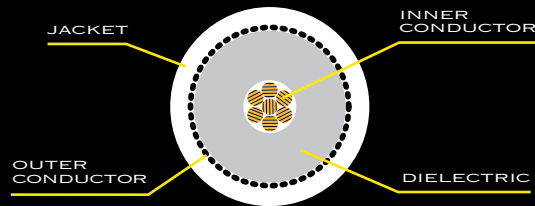
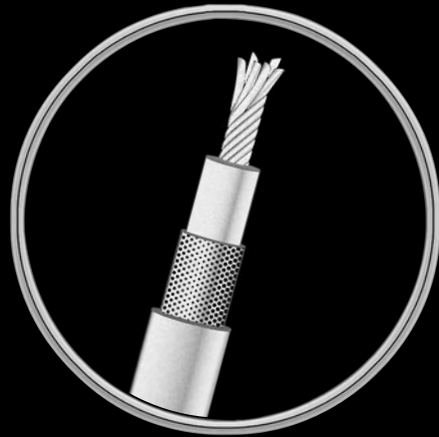
FOLLOWING ASTM B 298, NFC 93523, MIL W 16878 EXTRUDED

REFERENCE	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
3 x AWG32 TES	2.10	7.40
4 x AWG32 TES	2.20	8.30
5 x AWG32 TES	2.30	9.10
6 x AWG32 TES	2.50	10.20
8 x AWG32 TES	2.90	12.10
10 x AWG32 TES	3.10	14.20
12 x AWG32 TES	3.20	15.80

TES SERIES - 32/19 AWG

# Coaxial cables

MINIATURE COAXIAL CABLES FOR AUDIO, VIDEO, SENSORS AND TRANSDUCERS, MICRO-ELECTRONIC, MEDICAL AND NON-DESTRUCTIVE TESTING.



## Construction

- INNER CONDUCTOR: SILVER PLATED SOFT COPPER CORE, 7 x 44 AWG
- DIELECTRIC: TEFLON® OR NEOFロン® PFA
- OUTER CONDUCTOR: SILVER PLATED SOFT COPPER BRAID, 44 AWG WIRES
- JACKET: TEFLON® OR NEOFロン® PFA

## Characteristics

- CONTINUOUS SERVICE TEMPERATURE: - 196 / + 200 °C
- CHEMICAL RESISTANCE: EXCELLENT
- WEATHERING RESISTANCE: EXCELLENT
- FLAMMABILITY RESISTANCE: EXCELLENT
- RATED VOLTAGE: 150 V AC
- ROHS COMPLIANT

## Miscellaneous

- MULTICOAXIAL CABLES

FOLLOWING ASTM B 298

REFERENCE	ATTENUATIONS (dB/m)			
	1 MHz	10 MHz	100 MHz	500 MHz
U50A - 3607 TAU	0.11	0.27	0.97	2.20
U75A - 3607 TAU	0.07	0.15	0.50	1.18

REFERENCE	Z (Ohms)	C (pF/m)	AWG	OUTER DIAMETER (mm)	APPROX. WEIGHT (g/m)
U50A - 3607 TAU	50	98	36	0.80	1.80
U75A - 3607 TAU	75	62	36	1.20	3.60

DIAMETER	AWG	SILVER	REFERENCE
0.05 mm	44	10 %	BRAID
7 x 0.05 mm	36	10 %	UAA 3607
19 x 0.05 mm	32	10 %	UBA 3219
7 x 0.063 mm	34	8 %	UAA 3407
0.127 mm	36	4 %	UAA 3601
0.15 mm	34	3.5 %	UAA 3401
0.203 mm	32	2.5 %	UAA 3201

AWG	DIAMETER (mm)	SECTION (mm <sup>2</sup> )
32	0.203	0.0325
34	0.160	0.0201
36	0.127	0.0126
38	0.102	0.0081
40	0.079	0.0049
42	0.063	0.0032
44	0.051	0.0020

REFERENCE	COPPER	SILVER
	CU: 99.9%	AG >99%
DENSITY	8.93	10.5
RESISTIVITY*	17.24	21

\*(Ohm/Km.mm<sup>2</sup> @ 20 °C)

	PFA	PUR	SEBS
TENSILE STRENGTH	25 MPa	45 MPa	11 MPa
ELONGATION	300 %	600 %	655 %
HARDNESS SHORE	55 D	87 A	85 A
SPECIFIC GRAVITY	2.15	1.12	1.21
RELATIVE PERMITIVITY	2.05	-	-
MINIMUM SERVICE T °	-196 °C	-40 °C	-50 °C
MAXIMUM SERVICE T °	+260 °C	+80 °C	+125 °C
CHEMICAL RESISTANCE	EXCELLENT	GOOD	GOOD
WEATHERING RESISTANCE	EXCELLENT	EXCELLENT	GOOD
FLAMMABILITY	UL 94	23%	25.5%
ROHS COMPLIANT	YES	YES	YES
FDA AGREEMENT	YES	EC/FDA	No

SPECIAL THANKS TO:

- UNIVERSITY OF GENOVA / LIRA - LAB , DIST
- MSR ELECTRONIC
- FOGALE NANOTECH
- MICRODEF / MM / HT
- JD MESURE
- FGP INSTRUMENTATION

INDUSTRIAL DESIGNS AND MANUFACTURES MINIATURE WIRE AND CABLE FOR SPECIALITY APPLICATIONS.

OUR PRODUCTS ARE USED IN DIVERSE APPLICATIONS SUCH AS:

SPORTS, COMPETITION, WIND-TUNNELS

AUTOMOTIVE, CRASH-TESTS AND ROBOTICS

AERONAUTICS AND TESTS

MEDICAL ELECTRONICS

MEASURING AND INSTRUMENTATION

MICRO-ELECTRONIC, AUDIO, VIDEO

SPACE AND COMMUNICATION

AND MORE...