



Miniature Cables

Applications:

- Cable for miniature sensors and transducers
- Strain gage wiring i.e. in machines and automotive
- Transducer internal wiring
- Medical applications
- RoHS compliant



Multicore Cables, shielded

Teflon[®] PFA insulation. Shield and conductors made of silver plated copper. Continuous operating temperature for STC-series -190°C to +200°C. Conductors are twisted. For a specification on the conductors refer to "Insulated wires" below.

Designation	No. of cores	Outer Diameter mm	AWG	Rated Voltage VAC	Test Voltage VAC
STC-36T-2	2	1.03 ±0.15	36	150	1300
STC-36T-3	3	1.08 ±0.15	36	150	1300
STC-36T-4	4	1.15 ±0.15	36	150	1300
STC-36T-6	6	1.36 ±0.15	36	150	1300
STC-36T-7	7	1.37 ±0.15	36	150	1300
STC-36T-12	12	1.77 ±0.15	36	150	1300
STC-32T-2	2	1.42 ±0.15	32	250	1500
STC-32T-3	3	1.50 ±0.15	32	250	1500
STC-32T-4	4	1.62 ±0.15	32	250	1500
STC-32T-6	6	1.90 ±0.15	32	250	1500
STC-32T-7	7	1.92 ±0.15	32	250	1500
STC-32T-12	12	2.53 ±0.15	32	250	1500

Jacket color is white. Other jacket colors are available on request. Designations marked in the table with gray background are typically available from stock. All other designations and custom cables with any number of cores can be supplied at minimum order of 250 meters.



Insulated Wires

Teflon[®] PFA insulation. Conductors are from silver plated copper. Continuous operating temperature -190°C to +200°C.

Designation	Outer Diameter mm	Continuous operating temperature °C	CONDUCTOR SPECIFICATION							INSULATION	
			Cross Section	Composition	Diameter	Composition	AWG	Resistance	Tensile Strength	Rated Voltage	Test Voltage
			mm ²	AWG	mm		AWG	Ω/m	N	VAC	VAC
SDC-36T-1x	0.27 ±0.025	-190 .. +200	0.009	1xAWG36	0.13	CuAg	36	1.5	>3	100	1200
STC-36T-1x	0.30 ±0.025	-190 .. +200	0.014	7xAWG44	0.15	CuAg	36	1.4	>3	150	1300
SDC-34T-1x	0.30 ±0.025	-190 .. +200	0.018	1xAWG34	0.15	CuAg	34	1.0	>4	150	1300
STC-34T-1x	0.37 ±0.030	-190 .. +200	0.022	7xAWG42	0.19	CuAg	34	1.0	>4	150	1300
SDC-32T-1x	0.37 ±0.030	-190 .. +200	0.032	1xAWG32	0.20	CuAg	32	0.6	>7	150	1300
STC-32T-1x	0.49 ±0.035	-190 .. +200	0.037	19xAWG44	0.24	CuAg	32	0.5	>8	250	1500

Designations marked in the table with gray background are available from stock. in following colors: red, black, green, white, blue, yellow. Other colors available on request: brown, Orange, violet, gray, purple and transparent, these have 2 weeks delivery time.

Coaxial Cable

Core wire specification see STC-36T wire. Dielectrics PFA. Shield silver/copper braid. Teflon[®] PFA insulation. Operating temperature: -190°C to + 200°C.

Types	Outer Diameter mm	Impe- dance 200MHZ Ω	Capaci- ty 1KHz pF/m	Attenuation				Diameters			Weight g/m	Rated Voltage VAC
				1 MHz	10 MHz	100 MHz	500 MHz	Conduct.	Dielectric	Braid		
				dB/m				mm				
STC50A-36T	0.80 ±0.04	50	98	0.11	0.27	0.97	2.20	0.15	0.39	0.62	1.6	250
STC75A-36T	1.20 ±0.06	75	62	0.07	0.15	0.50	1.18	0.15	0.77	1.00	3.2	600



RoHS
COMPLIANT

Stripping tool

Stripping tool, adjustable for conductor size AWG 26 to 36, equal to 0.12 to 0.40 mm. Tool size is 98 x 45 mm. The picture to the right is heavily reduced in size. Order code: PN 610172

