

Single wires

ESCC 3901 013

PTFE / Polyimide coating

Operating temperature: -100°C up to +200°C

Voltage rating: 600 VAC max.



Construction

- 1 - Stranded silver plated copper or copper alloy conductor,
- 2 - Extruded PTFE insulation,
- 3 - Polyimide protective coating.

Colour: Amber (other colours on request)

Main characteristics

Excellent physical, chemical and electrical properties:

- excellent penetration resistance under pressure,
- resist large overloads with no fire risk,
- non-flammable,
- good flexibility and low spring back effect,
- resistant to most chemicals
- suited for thermal, mechanical or laser stripping.

AXON' REFERENCE	CONDUCTOR					MAX. Ø mm	MAX. WEIGHT g/m
	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm²	MAX. DC RESISTANCE AT 20°C Ω / km		
ESCC 3901 013 78	30	7X0.10 SPCA	0.32	0.055	375	0.71	1.2
ESCC 3901 013 01	28	7X0.127 SPCA	0.42	0.089	215	0.82	1.8
ESCC 3901 013 02	26	7X0.16 SPCA	0.50	0.140	146	0.89	2.3
ESCC 3901 013 03	24	7X0.20 SPC	0.62	0.220	87.2	1.04	3.34
ESCC 3901 013 04	22	7X0.25 SPC	0.77	0.340	55.8	1.19	4.84
ESCC 3901 013 05	20	19X0.20 SPC	1.03	0.600	32.2	1.44	7.4
ESCC 3901 013 56	18	19X0.25 SPC	1.29	0.930	20.6	1.85	12
ESCC 3901 013 57	16	19X0.285 SPC	1.44	1.230	16.5	2.23	17

SPC: silver plated copper - SPCA: silver plated copper alloy

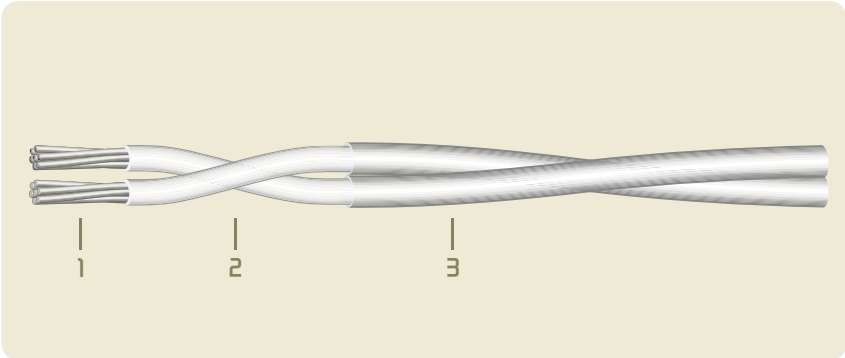
Twisted pairs

ESCC 3901 013

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	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm²	MAX. DC RESISTANCE AT 20°C Ω / km			
ESCC 3901 013 06	28	7X0.127 SPCA	0.42	0.089	225	0.82	1.64	3.8
ESCC 3901 013 07	26	7X0.16 SPCA	0.50	0.140	153	0.89	1.78	4.84
ESCC 3901 013 08	24	7X0.20 SPC	0.62	0.220	91.6	1.04	2.08	6.9
ESCC 3901 013 09	22	7X0.25 SPC	0.77	0.340	58.7	1.19	2.38	10
ESCC 3901 013 10	20	19X0.20 SPC	1.03	0.600	33.8	1.44	2.88	15.3
ESCC 3901 013 58	18	19X0.25 SPC	1.29	0.930	21.6	1.85	3.7	24.9
ESCC 3901 013 59	16	19X0.285 SPC	1.44	1.230	17.3	2.23	4.46	34.6

SPC: silver plated copper - SPCA: silver plated copper alloy

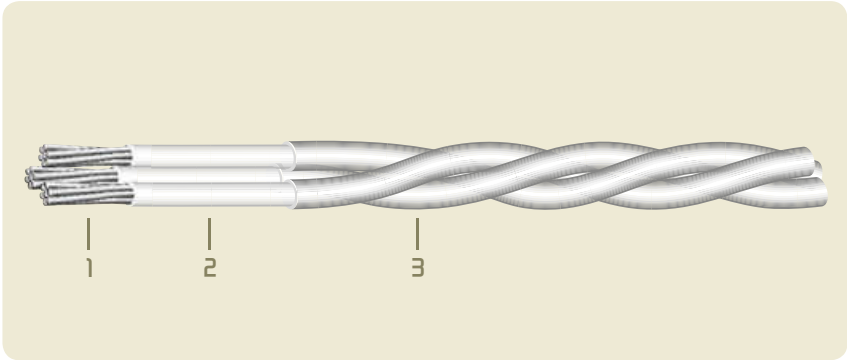
Twisted triples

ESCC 3901 013

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	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm²	MAX. DC RESISTANCE AT 20°C Ω / km			
ESCC 3901 013 11	28	7X0.127 SPCA	0.42	0.089	225	0.82	1.76	5.7
ESCC 3901 013 12	26	7X0.16 SPCA	0.50	0.14	153	0.89	1.92	7.28
ESCC 3901 013 13	24	7X0.20 SPC	0.62	0.22	91.6	1.04	2.24	10.35
ESCC 3901 013 14	22	7X0.25 SPC	0.77	0.34	58.7	1.19	2.56	15
ESCC 3901 013 15	20	19X0.20 SPC	1.03	0.60	33.8	1.44	3.12	23
ESCC 3901 013 60	18	19X0.25 SPC	1.29	0.93	21.6	1.85	3.98	37.3
ESCC 3901 013 61	16	19X0.285 SPC	1.44	1.23	17.3	2.23	4.8	51.8

SPC: silver plated copper - SPCA: silver plated copper alloy

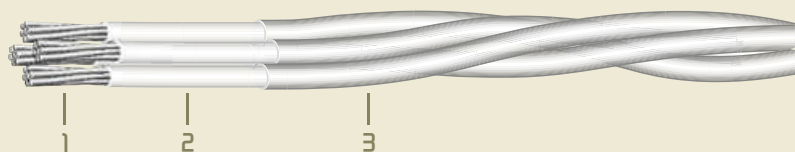
Twisted quads

ESCC 3901 013

PTFE / Polyimide coating

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Voltage rating: 600 VAC max.



Construction

- 1 - Stranded silver plated copper or copper alloy conductor,
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Colour: Amber (other colours on request)

Main characteristics

Excellent physical, chemical and electrical properties:

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AXON' REFERENCE	CONDUCTOR					SINGLE WIRE MAX. Ø mm	BUNDLE MAX. Ø mm	MAX. WEIGHT g/m
	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm ²	MAX. DC RESISTANCE AT 20°C Ω / km			
ESCC 3901 013 16	28	7X0.127 SPCA	0.42	0.089	225	0.82	1.97	7.55
ESCC 3901 013 17	26	7X0.16 SPCA	0.50	0.140	153	0.89	2.14	9.71
ESCC 3901 013 18	24	7X0.20 SPC	0.62	0.220	91.6	1.04	2.5	14
ESCC 3901 013 19	22	7X0.25 SPC	0.77	0.340	58.7	1.19	2.86	20.3
ESCC 3901 013 20	20	19X0.20 SPC	1.03	0.600	33.8	1.44	3.46	31.1
ESCC 3901 013 62	18	19X0.25 SPC	1.29	0.930	21.6	1.85	4.46	49.7
ESCC 3901 013 63	16	19X0.285 SPC	1.44	1.230	17.3	2.23	5.37	69.1

SPC: silver plated copper - SPCA: silver plated copper alloy

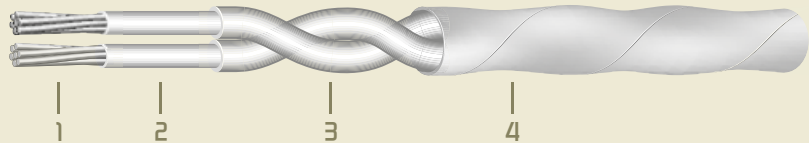
Jacketed twisted pairs

ESCC 3901 013

PTFE / Polyimide coating

Operating temperature: -100°C up to +200°C

Voltage rating: 600 VAC max.



Construction

- 1 - Stranded silver plated copper or copper alloy conductor,
- 2 - Extruded PTFE insulation,
- 3 - Polyimide protective coating,
- 4 - Polyimide tape (1 layer).

Colour: Amber (wire insulation & jacket)

Main characteristics

Excellent physical, chemical and electrical properties:

- excellent penetration resistance under pressure,
- resist large overloads with no fire risk,
- non-flammable,
- good flexibility and low spring back effect,
- resistant to most chemicals
- suited for thermal, mechanical or laser stripping.

AXON' REFERENCE	CONDUCTOR					SINGLE WIRE MAX. Ø mm	OVERALL MAX. Ø mm	MAX. WEIGHT g/m
	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm ²	MAX. DC RESISTANCE AT 20°C Ω / km			
ESCC 3901 013 21	28	7X0.127 SPCA	0.42	0.089	225	0.82	1.92	4.32
ESCC 3901 013 22	26	7X0.16 SPCA	0.50	0.140	153	0.89	2.06	5.28
ESCC 3901 013 23	24	7X0.20 SPC	0.62	0.220	91.6	1.04	2.36	7.54
ESCC 3901 013 24	22	7X0.25 SPC	0.77	0.340	58.7	1.19	2.66	10.7
ESCC 3901 013 25	20	19X0.20 SPC	1.03	0.600	33.8	1.44	3.16	16.2
ESCC 3901 013 64	18	19X0.25 SPC	1.29	0.930	21.6	1.85	3.83	26
ESCC 3901 013 65	16	19X0.285 SPC	1.44	1.230	17.3	2.23	4.63	35.8

SPC: silver plated copper - SPCA: silver plated copper alloy

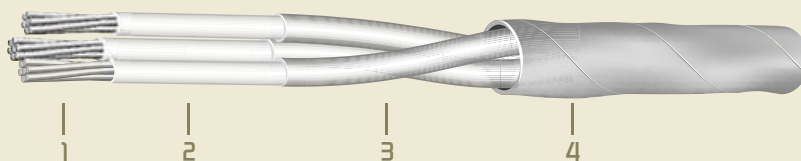
Jacketed twisted triples

ESCC 3901 013

PTFE / Polyimide coating

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Construction

- 1 - Stranded silver plated copper or copper alloy conductor,
- 2 - Extruded PTFE insulation,
- 3 - Polyimide protective coating,
- 4 - Polyimide tape (1 layer).

Colour: Amber (wire insulation & jacket)

Main characteristics

Excellent physical, chemical and electrical properties:

- excellent penetration resistance under pressure,
- resist large overloads with no fire risk,
- non-flammable,
- good flexibility and low spring back effect,
- resistant to most chemicals
- suited for thermal, mechanical or laser stripping.

AXON' REFERENCE	CONDUCTOR					SINGLE WIRE MAX. Ø mm	OVERALL MAX. Ø mm	MAX. WEIGHT g/m
	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm ²	MAX. DC RESISTANCE AT 20°C Ω / km			
ESCC 3901 013 26	28	7X0.127 SPCA	0.42	0.089	225	0.82	2.04	6.26
ESCC 3901 013 27	26	7X0.16 SPCA	0.50	0.140	153	0.89	2.2	7.8
ESCC 3901 013 28	24	7X0.20 SPC	0.62	0.220	91.6	1.04	2.52	11
ESCC 3901 013 29	22	7X0.25 SPC	0.77	0.340	58.7	1.19	2.84	15.8
ESCC 3901 013 30	20	19X0.20 SPC	1.03	0.600	33.8	1.44	3.4	24
ESCC 3901 013 66	18	19X0.25 SPC	1.29	0.930	21.6	1.85	4.13	38.6
ESCC 3901 013 67	16	19X0.285 SPC	1.44	1.230	17.3	2.23	4.93	53.3

SPC: silver plated copper - SPCA: silver plated copper alloy

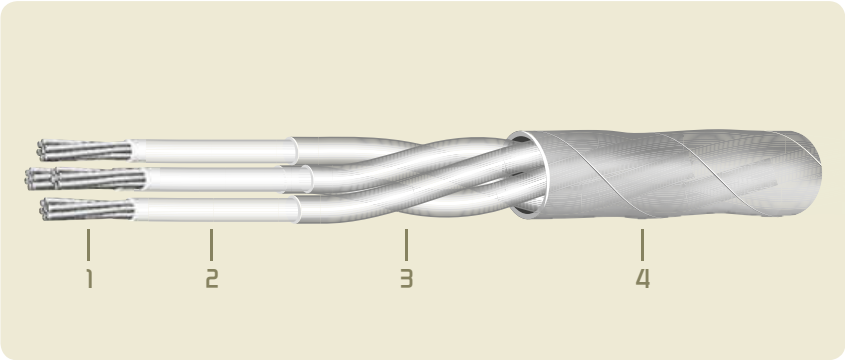
Jacketed twisted quads

ESCC 3901 013

PTFE / Polyimide coating

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Voltage rating: 600 VAC max.



Construction

- 1 - Stranded silver plated copper or copper alloy conductor,
- 2 - Extruded PTFE insulation,
- 3 - Polyimide protective coating,
- 4 - Polyimide tape (1 layer).

Colour: Amber (wire insulation & jacket)

Main characteristics

Excellent physical, chemical and electrical properties:

- excellent penetration resistance under pressure,
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- good flexibility and low spring back effect,
- resistant to most chemicals
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AXON' REFERENCE	CONDUCTOR					SINGLE WIRE MAX. Ø mm	OVERALL MAX. Ø mm	MAX. WEIGHT g/m
	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm²	MAX. DC RESISTANCE AT 20°C Ω / km			
ESCC 3901 013 31	28	7X0.127 SPCA	0.42	0.089	225	0.82	2.25	8.17
ESCC 3901 013 32	26	7X0.16 SPCA	0.50	0.140	153	0.89	2.42	10.3
ESCC 3901 013 33	24	7X0.20 SPC	0.62	0.220	91.6	1.04	2.78	14.8
ESCC 3901 013 34	22	7X0.25 SPC	0.77	0.340	58.7	1.19	3.14	21.2
ESCC 3901 013 35	20	19X0.20 SPC	1.03	0.600	33.8	1.44	3.74	32.2
ESCC 3901 013 68	18	19X0.25 SPC	1.29	0.930	21.6	1.85	4.59	51.2
ESCC 3901 013 69	16	19X0.285 SPC	1.44	1.230	17.3	2.23	5.5	70.9

SPC: silver plated copper - SPCA: silver plated copper alloy

Shielded jacketed single wires

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PTFE / Polyimide coating

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Construction

- 1 - Stranded silver plated copper or copper alloy conductor,
- 2 - Extruded PTFE insulation,
- 3 - Polyimide protective coating,
- 4 - Silver plated copper shield,
- 5 - Polyimide tape (2 layers).

Colour: Amber (wire insulation & jacket)

Main characteristics

Excellent physical, chemical and electrical properties:

- excellent penetration resistance under pressure,
- resist large overloads with no fire risk,
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- good flexibility and low spring back effect,
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AXON' REFERENCE	CONDUCTOR					SHIELD STRAND Ø mm	SINGLE WIRE MAX. Ø mm	OVERALL MAX. Ø mm	MAX. WEIGHT g/m
	AWG	STRANDING Nb x Ø mm	MAX. Ø mm	NOM. CROSS SECTION mm ²	MAX. DC RESISTANCE AT 20°C Ω / km				
ESCC 3901 013 36	28	7X0.127 SPCA	0.42	0.089	215	0.055	0.82	1.22	3.77
ESCC 3901 013 37	26	7X0.16 SPCA	0.50	0.140	146	0.055	0.89	1.29	4.63
ESCC 3901 013 38	24	7X0.20 SPC	0.62	0.220	87.2	0.07	1.04	1.52	6.38
ESCC 3901 013 39	22	7X0.25 SPC	0.77	0.340	55.8	0.07	1.19	1.67	8.26
ESCC 3901 013 40	20	19X0.20 SPC	1.03	0.600	32.2	0.07	1.44	1.92	11.4
ESCC 3901 013 70	18	19X0.25 SPC	1.29	0.930	20.6	0.07	1.85	2.26	17
ESCC 3901 013 71	16	19X0.285 SPC	1.44	1.230	16.5	0.07	2.23	2.6	22.9

SPC: silver plated copper - SPCA: silver plated copper alloy

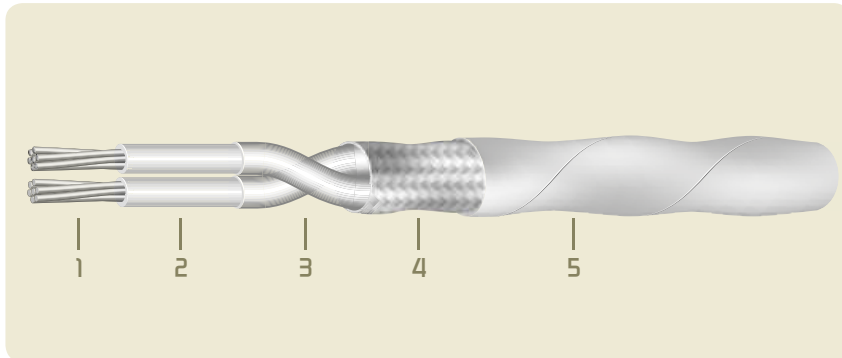
Shielded jacketed twisted pairs

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- 1 - Stranded silver plated copper or copper alloy conductor,
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ESCC 3901 013 41	28	7X0.127 SPCA	0.42	0.089	225	0.07	0.82	2.12	7.62
ESCC 3901 013 42	26	7X0.16 SPCA	0.50	0.140	153	0.07	0.89	2.26	9.24
ESCC 3901 013 43	24	7X0.20 SPC	0.62	0.220	91.6	0.07	1.04	2.56	11.7
ESCC 3901 013 44	22	7X0.25 SPC	0.77	0.340	58.7	0.07	1.19	2.86	15.5
ESCC 3901 013 45	20	19X0.20 SPC	1.03	0.600	33.8	0.07	1.44	3.36	21.7
ESCC 3901 013 72	18	19X0.25 SPC	1.29	0.930	21.6	0.1	1.85	4.23	35.5
ESCC 3901 013 73	16	19X0.285 SPC	1.44	1.230	17.3	0.1	2.23	4.98	47.8

SPC: silver plated copper - SPCA: silver plated copper alloy

Shielded jacketed twisted triples

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ESCC 3901 013 46	28	7X0.127 SPCA	0.42	0.089	225	0.07	0.82	2.24	10.7
ESCC 3901 013 47	26	7X0.16 SPCA	0.50	0.140	153	0.07	0.89	2.39	12.5
ESCC 3901 013 48	24	7X0.20 SPC	0.62	0.220	91.6	0.07	1.04	2.72	16
ESCC 3901 013 49	22	7X0.25 SPC	0.77	0.340	58.7	0.07	1.19	3.04	21.2
ESCC 3901 013 50	20	19X0.20 SPC	1.03	0.600	33.8	0.1	1.44	3.73	33.7
ESCC 3901 013 74	18	19X0.25 SPC	1.29	0.930	21.6	0.1	1.85	4.6	51
ESCC 3901 013 75	16	19X0.285 SPC	1.44	1.230	17.3	0.1	2.23	5.41	67.9

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