



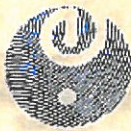
Cables for Space Applications

Cross Reference Table

Table of corresponding ESA/SCC and Draka references:

LIGHT WEIGHT CONSTRUCTION				MEDIUM WEIGHT CONSTRUCTION	
ESA/SCC	Draka	ESA/SCC	Draka	ESA/SCC	Draka
3901/002-31-B3	F A3901-2-2-26-G	3901/002-61-B3	F A3901-2-1-28	3901/001-24-B3	F A3901-1-1-26
3901/002-32-B3	F A3901-2-2-24-G	3901/002-62-B3	F A3901-2-2-28-G	3901/001-25-B3	F A3901-1-1-24
3901/002-33-B3	F A3901-2-2-22-G	3901/002-63-B3	F A3901-2-3-28-G	3901/001-26-B3	F A3901-1-1-22
3901/002-34-B3	F A3901-2-2-20-G	3901/002-64-B3	F A3901-2-1-28-HG	3901/001-27-B3	F A3901-1-1-20
3901/002-35-B3	F A3901-2-2-18-G	3901/002-65-B3	F A3901-2-2-28-HG	3901/001-28-B3	F A3901-1-1-18
3901/002-36-B3	F A3901-2-3-26-G	3901/002-66-B3	F A3901-2-3-28-HG	3901/001-29-B3	F A3901-1-1-16
3901/002-37-B3	F A3901-2-3-24-G	3901/002-67-B3	F A3901-2-4-28-HG	3901/001-30-B3	F A3901-1-1-14
3901/002-38-B3	F A3901-2-3-22-G	3901/002-68-B3	F A3901-2-4-26-HG	3901/001-31-B3	F A3901-1-1-12
3901/002-39-B3	F A3901-2-3-20-G	3901/002-69-B3	F A3901-2-4-24-HG	3901/001-32-B3	F A3901-1-2-16-G
3901/002-40-B3	F A3901-2-3-18-G	3901/002-70-B3	F A3901-2-4-22-HG	3901/001-33-B3	F A3901-1-2-14-G
3901/002-41-B3	F A3901-2-1-26-HG	3901/002-71-B3	F A3901-2-4-20-HG	3901/001-34-B3	F A3901-1-2-12-G
3901/002-42-B3	F A3901-2-1-24-HG	3901/002-72-B3	F A3901-2-5-28-HG	3901/001-35-B3	F A3901-1-3-16-G
3901/002-43-B3	F A3901-2-1-22-HG	3901/002-73-B3	F A3901-2-5-26-HG	3901/001-36-B3	F A3901-1-3-14-G
3901/002-44-B3	F A3901-2-1-20-HG	3901/002-74-B3	F A3901-2-P-1-28-HG	3901/001-37-B3	F A3901-1-3-12-G
3901/002-45-B3	F A3901-2-1-18-HG	3901/002-75-B3	F A3901-2-P-1-26-HG	3901/001-38-B3	F A3901-1-1-16-HG
3901/002-46-B3	F A3901-2-2-26-HG	3901/002-76-B3	F A3901-2-P-1-24-HG	3901/001-39-B3	F A3901-1-1-14-HG
3901/002-47-B3	F A3901-2-2-24-HG	3901/002-77-B3	F A3901-2-P-1-22-HG	3901/001-40-B3	F A3901-1-1-12-HG
3901/002-48-B3	F A3901-2-2-22-HG	3901/002-78-B3	F 3901-2-P-1-20-HG	3901/001-41-B3	F A3901-1-2-16-HG
3901/002-49-B3	F A3901-2-2-20-HG	3901/002-79-B3	F 3901-2-P-1-18-HG	3901/001-42-B3	F A3901-1-2-14-HG
3901/002-50-B3	F A3901-2-2-18-HG	3901/002-80-B3	F 3901-2-P-2-28-HG	3901/001-43-B3	F A3901-1-2-12-HG
3901/002-51-B3	F A3901-2-3-26-HG	3901/002-81-B3	F A3901-2-P-2-26-HG	3901/001-44-B3	F A3901-1-3-16-HG
3901/002-52-B3	F A3901-2-3-24-HG	3901/002-82-B3	F A3901-2-P-2-24-HG	3901/001-45-B3	F A3901-1-3-14-HG
3901/002-53-B3	F A3901-2-3-22-HG	3901/002-83-B3	F A3901-2-P-2-22-HG	3901/001-46-B3	F A3901-1-3-12-HG
3901/002-54-B3	F A3901-2-3-20-HG	3901/002-84-B3	F A3901-2-P-2-20-HG	3901/001-47-B3	F A3901-1-1-28
3901/002-55-B3	F A3901-2-3-18-HG	3901/002-85-B3	F A3901-2-P-2-18-HG		
3901/002-56-B3	F A3901-2-1-26	3901/002-86-B3	F A3901-2-P-3-28-HG		
3901/002-53-B3	F A3901-2-1-24	3901/002-87-B3	F A3901-2-P-3-26-HG		
3901/002-58-B3	F A3901-2-1-22	3901/002-88-B3	F A3901-2-P-3-24-HG		
3901/002-59-B3	F A3901-2-1-20	3901/002-89-B3	F A3901-2-P-3-22-HG		
3901/002-60-B3	F A3901-2-1-18	3901/002-90-B3	F A3901-2-P-3-20-HG		
		3901/002-91-B3	F A3901-2-P-3-18-HG		

Certificates



European space agency
agence spatiale européenne

Certificate of Qualification No. 07P

This is to certify that DRAKA Fileca, Ste Genevieve, France has been qualified by ESA for the supply of Wires and Cables, Low Frequency, Polyimide Insulation, based on types FA 3901-1, FA 3901-2 Series for use in ESA space programmes, according to ESCC Generic Specification 3901 and associated Detail Specifications 3901/001 and 3901/002 as recommended by the Space Components Steering Board.

This certificate is valid until February 2014.

Head of Product Assurance
and Safety Department

A handwritten signature in black ink, appearing to read 'U. Vest'.

Date
15 February 2012

Space applications Normal Weight Wires and cables

SCC 3901-001

esa Qualified

CHARACTERISTICS:

Environmental:

- Operating temperatures: -100 °C to + 200 °C (ambient temperature + current heating).
- Non-flammable
- Very good solderability.
- Current rating: the currents shown in the tables for single wires generate a temperature in a vacuum environment. According to ESA/SCC specifications, those current values may be considered up to an ambient temperature of 150 °C.
- Derating factors must be applied for cables and wires in bundles.
- High resistance to chemical agents, fluids and space radiations.
- The 2 µm thick of silver plating on the conductor and the shield give the best protection against the red plague phenomenon.

Mechanical :

- The wrapped construction technology allows very thin wall insulation, yielding weight and space savings and higher performances.
- Superior mechanical resistance eliminating handling and installation damage.
- Good strippability.

Electrical:

- Maximum operating voltage : 600Vac.
- Insulation resistance of core:
> 750 MΩ.km at 20°C (after 500V—1 min.)

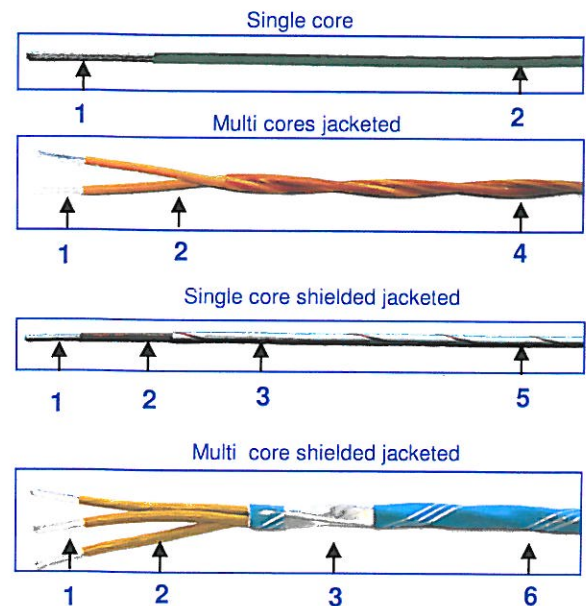
APPLICATIONS:

- Normal weight hook-up wires for use in launch vehicles, satellites and general space applications.

STANDARDS/SPECIFICATONS:

- Meet ESA/SCC N° 3901 and ESA/SCC N° 3901/001.
- The certificate of qualification n° N 7N of February 15 2010 has been renewed to Draka Fileca by ESA.

CONSTRUCTION:



- 1- Conductor (s): Silver plated copper or silver plated copper alloy.
- 2- Polyimide top coat.
- 3- Spiral shield - silver plated copper
- 4- Polyimide tape
- 5- Polyimide top coat
- 6- PTFE tape

OPTION / INSPECTION LEVEL:

The ESA Generic Specification prescribes 3 levels of lot acceptance which, in order of decreasing testing requirements, are designated « B1 », « B2 », « B3 ».

Should the lowest « standard » level be considered insufficient, then add « B2 » or « B1 » to Draka Fileca references.

Example : F A3901-1-20-B2

PACKAGING:

- On plastic spools (flange diameter :180 or 280 mm).
Spools are heat sealed into polyethylene bags

ORDERING CODE :

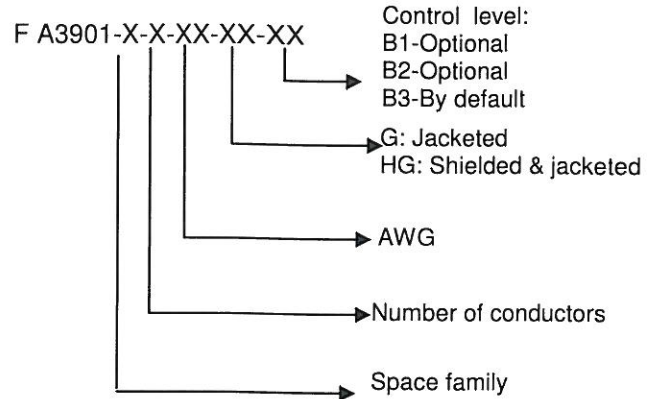


Table I - Wires

Example: F A3901-1-3-16-G-B2

Draka part number	AWG*	ESA/SCC	Conductor silver plated copper		Outer Diameter		Current Rating (Amp.)	Maximum Weight (g/m)
			Stranding (n x mm)	Nominal cross section (mm ²)	Mini (mm)	Maxi (mm)		
F A3901-1-1-28	28	3901/001-47	19x0.08 (1)	0.1	0.6	0.73	1.50	1.37
F A3901-1-1-26	26	3901/001-24	19x0.10 (1)	0.15	0.71	0.84	2.50	2.05
F A3901-1-1-24	24	3901/001-25	19x0.12 (1)	0.21	0.81	0.95	3.50	2.75
F A3901-1-1-22	22	3901/001-26	19x0.16	0.38	1.01	1.15	5.00	4.40
F A3901-1-1-20	20	3901/001-27	19x0.20	0.6	1.20	1.35	7.50	6.65
F A3901-1-1-18	18	3901/001-28	19x0.25	0.93	1.45	1.60	10.00	9.98
F A3901-1-1-16	16	3901/001-29	19x0.30	1.30	1.70	1.85	13.00	14.00
F A3901-1-1-14	14	3901/001-30	27x0.30	1.9	2.03	2.19	17.00	19.60
F A3901-1-1-12	12	3901/001-31	45x0.30	3.2	2.61	2.8	23.00	32.10

(1) Silver plated copper alloy.

Table II - Unshielded Jacketed Cables

Draka part number	AWG*	Number of cores	ESA/SCC	Conductor silver plated copper		Nominal Core Diameter (mm)	Maximum Outer Diameter (mm)	Maximum Weight (g/m)
				Stranding (n x mm)	Nominal cross section (mm ²)			
F A3901-1-2-16-G	16	2	3901/001-32	19x0.30	1.30	1.79	3.80	30.70
F A3901-1-2-14-G	14	2	3901/001-33	27x0.30	1.90	2.14	4.48	43.10
F A3901-1-2-12-G	12	2	3901/001-34	45x0.30	3.20	2.74	5.70	70.60
F A3901-1-3-16-G	16	3	3901/001-35	19x0.30	1.30	1.79	4.08	46.10
F A3901-1-3-14-G	14	3	3901/001-36	27x0.30	1.90	2.14	4.82	64.60
F A3901-1-3-12-G	12	3	3901/001-37	45x0.30	3.20	2.74	6.15	106.00

The product descriptions in our publications are correct to the best of our knowledge. They reflect the present state of the technology and our capabilities. The details are a general description of the characteristics of our products, which do not necessarily apply to every purpose or under all conditions. The descriptions do not release the user from the responsibility of testing of the products for suitability the specific purpose. In cases of doubt, please contact our Service Department.

Table III - Shielded and Jacketed Cables

Draka part Number	AWG *	Number of cores	ESA/SCC	Conductor silver plated copper or copper alloy (1)		Nominal Core Diameter (mm)	Shield strand Diameter (mm)	Maximum Outer Diameter (mm)	Maximum Weight (g/m)
				Stranding (n x mm)	Nominal Cross Section (mm ²)				
F A3901-1-1-16-HG	16	1	3901/001-38	19x0.30	1.30	1.79	0.10	2.23	18.80
F A3901-1-1-14-HG	14	1	3901/001-39	27x0.30	0.15	2.14	0.12	2.63	27.00
F A3901-1-1-12-HG	12	1	3901/001-40	45x0.30	0.21	2.74	0.15	3.30	43.30
F A3901-1-2-16-HG	16	2	3901/001-41	19x0.30	0.38	1.79	0.15	4.26	41.80
F A3901-1-2-14-HG	14	2	3901/001-42	27x0.30	0.60	2.14	0.15	5.07	55.60
F A3901-1-2-12-HG	12	2	3901/001-43	45x0.30	0.93	2.74	0.20	6.30	90.50
F A3901-1-3-16-HG	16	3	3901/001-44	19x0.30	1.30	1.79	0.15	4.54	58.20
F A3901-1-3-14-HG	14	3	3901/001-45	27x0.30	1.90	2.14	0.20	5.40	83.30
F A3901-1-3-12-HG	12	3	3901/001-46	45x0.30	3.20	2.74	0.20	6.72	127.30

* Closest American wire gauge.

Identification:

Core colour : AWG 28: Brown
 AWG 26: Black
 AWG 24 : Khaki beige
 AWG 22: Red
 AWG 20 : Green
 AWG 18: Yellow
 Jacket: Amber + stripes (see color coding table)

Space Applications Light Weight Wires and cables

SCC 3901-002

esa Qualified

CHARACTERISTICS:

Environmental:

- Operating Temperature: -100°C to +200°C (ambient temperature + current heating).
- Non-flammable
- Very good solderability.
- Current rating: the currents shown in the tables for single wires generate a temperature in a vacuum environment. According to ESA/SCC specifications, those current values may be considered up to an ambient temperature of 150°C.
- Derating factors must be applied for cables and wires in bundles.
- High resistance to chemical agents, fluids and space radiations.
- The 2 µm thick of silver plating on the conductor and the shield give the best protection against the red plague phenomenon.

Mechanical :

- The wrapped construction technology allows very thin wall insulation, yielding weight and space savings and higher performances.
- Superior mechanical resistance eliminating handling and installation damage.
- Good strippability.

Electrical:

- Maximum operating voltage : 600Vac.
- Insulation resistance of core:
> 750 MΩ.km at 20°C (500V– 1min.).

APPLICATIONS:

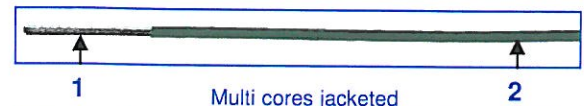
- Light weight hook-up wires for use in launch vehicles, satellites and general space applications.

STANDARDS/SPECIFICATONS:

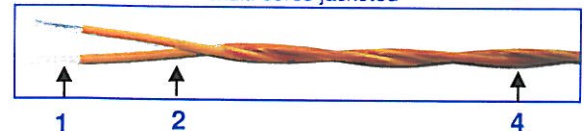
- Meets ESA/SCC N° 3901 and ESA/SCC N° 3901/002.
- The certificate of qualification n° 7 N of February 15-2010 has been renewed to Draka Fileca by ESA.

CONSTRUCTION:

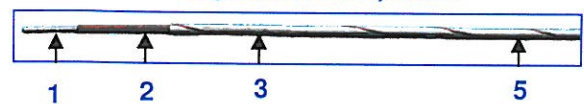
Single core



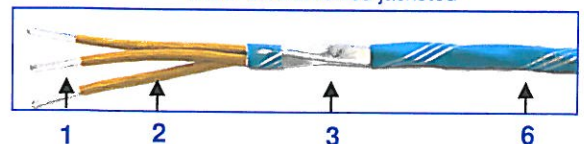
Multi cores jacketed



Single core shielded jacketed



Multi core shielded jacketed



- 1– Conductor (s): Silver plated copper or silver plated copper alloy.
- 2– Polyimide tape + Polyimide top coat.
- 3– Spiral shield: Silver plated Copper
- 4– Polyimide tape
- 5– Polyimide tape + top coat
- 6– Polyimide tape + PTFE tape

INSPECTION LEVEL:

The ESA Generic Specification prescribes 3 levels of lot acceptance which, in order of decreasing test requirements, are designated « B1 », « B2 », « B3 ».

Should the lowest "standard" level be considered insufficient, then add « B2 » or « B1 » to Draka Fileca references.

Example : F A3901-2-1-20-B2

Space Applications Light Weight Wires and cables

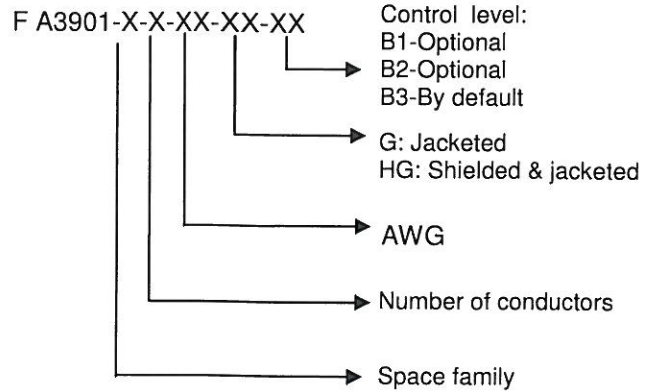
SCC 3901-002



PACKAGING:

- On plastic spools (flange diameter : 180 or 280 mm).
Spools are heat sealed into polyethylene bags

ORDERING CODE :



Example: F A3901-2-2-28-G-B3

Table I : Wires

Draka part number	AWG *	ESA/SCC	Conductor silver plated copper		Outer diameter		Current Rating (Amp.)	Maximum weight (g/m)
			Stranding (n x mm)	Nominal cross section (mm ²)	Mini (mm)	Maxi (mm)		
F A3901-2-1-28	28	3901/002-61	19x0.08 (1)	0.1	0.56	0.68	1.50	1.23
F A3901-2-1-26	26	3901/002-56	19x0.10 (1)	0.15	0.66	0.78	2.50	1.93
F A3901-2-1-24	24	3901/002-57	19x0.12 (1)	0.21	0.76	0.88	3.50	2.64
F A3901-2-1-22	22	3901/002-58	19x0.16	0.38	0.96	1.08	5.00	4.25
F A3901-2-1-20	20	3901/002-59	19x0.20	0.6	1.14	1.28	7.50	6.49
F A3901-2-1-18	18	3901/002-60	19x0.25	0.93	1.39	1.53	10.00	9.79

- (1) Silver plated copper alloy
* Closest American wire gauge

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Space Applications Light Weight Wires and cables

SCC 3901-002



Table II : Unshielded Jacketed cables

Draka part number	AWG*	Number of cores	ESA/SCC	Conductor silver plated copper		Nominal core diameter (mm)	Maximum outer diameter (mm)	Maximum weight (g/m)
				Stranding (n x mm)	Nominal cross section (mm ²)			
F A3901-2-2-28-G	28	2	3901/002-62	19x0.08 (1)	0.10	0.63	1.43	2.70
F A3901-2-2-26-G	26	2	3901/002-31	19x0.10 (1)	0.15	0.73	1.64	4.42
F A3901-2-2-24-G	24	2	3901/002-32	19x0.12 (1)	0.21	0.83	1.84	5.91
F A3901-2-2-22-G	22	2	3901/002-33	19x0.16	0.38	1.03	2.24	9.41
F A3901-2-2-20-G	20	2	3901/002-34	19x0.20	0.60	1.23	2.64	14.20
F A3901-2-2-18-G	18	2	3901/002-35	19x0.25	0.93	1.48	3.15	21.30
F A3901-2-3-28-G	28	3	3901/002-63	19x0.08 (1)	0.10	0.63	1.53	3.95
F A3901-2-3-26-G	26	3	3901/002-36	19x0.10 (1)	0.15	0.73	1.76	6.45
F A3901-2-3-24-G	24	3	3901/002-37	19x0.12 (1)	0.21	0.83	1.97	8.81
F A3901-2-3-22-G	22	3	3901/002-38	19x0.16	0.38	1.03	2.40	14.30
F A3901-2-3-20-G	20	3	3901/002-39	19x0.20	0.60	1.23	2.84	21.10
F A3901-2-3-18-G	18	3	3901/002-40	19x0.25	0.93	1.48	3.40	31.6

(1) Silver plated copper alloy
* Closest American wire gauge

Identification:

Core colour : AWG 28: Brown
 AWG 26: Black
 AWG 24 : Khaki beige
 AWG 22: Red
 AWG 20 : Green
 AWG 18: Yellow

Jacket: Amber + stripes (see color coding table)

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Space Applications Light Weight Wires and cables

SCC 3901-002



Table III : Shielded and jacketed cables

Draka part Number	AWG*	Number of cores	ESA/SCC	Conductor silver plated copper		Nominal Core diameter (mm)	Shield strand Ø (mm)	Maximum outer diameter (mm)	Maximum weight (g/m)
				Stranding (n x mm)	Nominal cross section (mm ²)				
F A3901-2-1-28-HG	28	1	3901/002-64	19x0.08 (1)	0.10	0.63	0.08	1.07	3.05
F A3901-2-1-26-HG	26	1	3901/002-41	19x0.10 (1)	0.15	0.73	0.08	1.13	3.85
F A3901-2-1-24-HG	24	1	3901/002-42	19x0.12 (1)	0.21	0.83	0.08	1.23	4.75
F A3901-2-1-22-HG	22	1	3901/002-43	19x0.16	0.38	1.03	0.08	1.43	6.86
F A3901-2-1-20-HG	20	1	3901/002-44	19x0.20	0.60	1.23	0.08	1.63	9.43
F A3901-2-1-18-HG	18	1	3901/002-45	19x0.25	0.93	1.48	0.10	1.92	13.80
F A3901-2-2-28-HG	28	2	3901/002-65	19x0.08 (1)	0.10	0.63	0.08	1.80	5.70
F A3901-2-2-26-HG	26	2	3901/002-46	19x0.10 (1)	0.15	0.73	0.08	2.01	8.00
F A3901-2-2-24-HG	24	2	3901/002-47	19x0.12 (1)	0.21	0.83	0.10	2.24	10.50
F A3901-2-2-22-HG	22	2	3901/002-48	19x0.16	0.38	1.03	0.10	2.65	14.80
F A3901-2-2-20-HG	20	2	3901/002-49	19x0.20	0.60	1.23	0.10	3.03	20.20
F A3901-2-2-18-HG	18	2	3901/002-50	19x0.25	0.93	1.48	0.12	3.58	29.60
F A3901-2-3-28-HG	28	3	3901/005-66	19x0.08 (1)	0.10	0.63	0.10	1.92	8.10
F A3901-2-3-26-HG	26	3	3901/002-51	19x0.10 (1)	0.15	0.73	0.10	2.15	11.20
F A3901-2-3-24-HG	24	3	3901/002-52	19x0.12 (1)	0.21	0.73	0.10	2.36	14.00
F A3901-2-3-22-HG	22	3	3901/002-53	19x0.16	0.38	1.03	0.10	2.82	20.20
F A3901-2-3-20-HG	20	3	3901/002-54	19x0.20	0.60	1.23	0.12	3.26	29.40
F A3901-2-3-18-HG	18	3	3901/002-55	19x0.25	0.93	1.48	0.15	3.86	44.10
F A3901-2-4-28-HG	28	4	3901/002-67	19x0.08 (1)	0.10	0.63	0.10	2.15	10.15
F 3901-2-4-26-HG	26	4	3901/002-68	19x0.10 (1)	0.15	0.73	0.10	2.40	13.30
F A3901-2-4-24-HG	24	4	3901/002-69	19x0.12 (1)	0.21	0.83	0.10	2.65	16.50
F A3901-2-4-22-HG	22	4	3901/002-70	19x0.16	0.38	1.03	0.12	3.17	26.40
F A3901-2-4-20-HG	20	4	3901/002-71	19x0.20	0.60	1.23	0.15	3.70	38.80
F A3901-2-5-28-HG	28	5	3901/002-72	19x0.08 (1)	0.10	0.63	0.10	2.27	12.10
F A3901-2-5-26-HG	26	5	3901/002-73	19x0.10 (1)	0.15	0.73	0.10	2.56	15.80

(1) Silver plated copper alloy
* Closest American wire gauge

SCC 3901-002 Series 03-11-2011 Rev 1

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Space Application Light Weight Radiation Resistant Shielded Cables

F A3901-2-P

esa Qualified

CHARACTERISTICS:

Environmental:

- Operating Temperature: -100 °C to + 200 °C (ambient temperature + current heating).
- High resistance to space radiations
- High resistance to chemical agents and aircraft fluids.
- Non flammable
- Very good solderability.
- The 2 µm thick of silver plating on the conductor and the shield give the best protection against the red plague phenomenon.

Mechanical :

- The wrapped construction technology allows very thin wall insulation, yielding weight and space savings and higher performances.
- Superior mechanical resistance eliminating handling and installation damage.
- Good strippability.
- Polyimide jacket insure a good mechanical and electrical protection to the helical screen.
- Bending radius: 10 times outer diameter.

Electrical:

- Maximum operating voltage : 600Vac
- Insulation resistance of core:
> 750 MΩ.km at 20 °C (500V– 1min.)

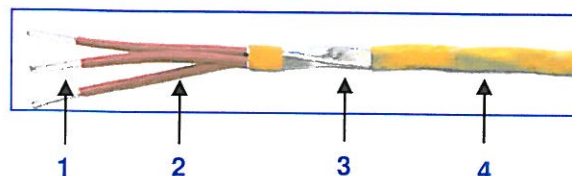
APPLICATIONS:

- Wires and cables for use in satellites and other space applications.

PACKAGING:

- On plastic spools (flange diameter : 180 or 280 mm).
Spools are heat sealed into polyethylene bags with humidity indicator inside.

CONSTRUCTION:



- 1- Conductor: Silver plated copper or Silver plated copper alloy.
- 2- Polyimide tape + Polyimide top coat.
- 3- Spiral shield - Silver plated copper
- 4- Polyimide tape

STANDARDS/SPECIFICATIONS:

Cores according to specification ESA/SCC N° 3901/002 (light weight wires).

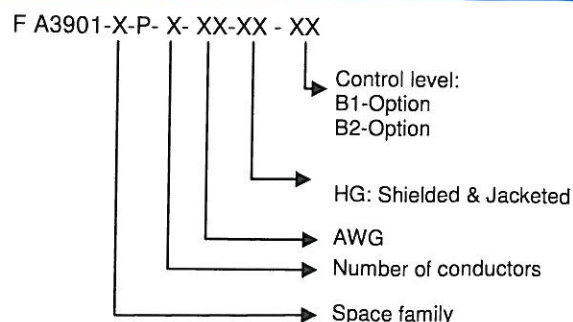
INSPECTION LEVEL:

Level of lot acceptance which, in order of decreasing testing requirements, are designated « B1 », « B2 », « B3 ».

Should the lowest "standard" level be considered insufficient, then add « B2 » or « B1 » to Draka Fileca references.

Example : F A3901-2-P-2-28HG-B2

ORDERING CODE:



Space Application Light Weight Radiation Resistant Shielded Cables

F A3901-2-P



Draka part number	AWG*	Nb of cores	Cores as per ESA/ SCC references	Conductor Silver plated copper		Nominal Core Ø (mm)	Shield Strand Diameter (mm)	Maximum linear resistance at 20 °C (Ω/Km)	Maxi O.D (mm)	Max. Weight (g/m)
				Stranding (nxmm)	Nominal Cross section (mm ²)					
F A3901-2-P-1-28HG	28	1	3901/002-61	19x0.0.8 (1)	0.10	0.63	0.08	242	1.02	2.95
F A3901-2-P-1-26HG	26	1	3901/002-56	19x0.10 (1)	0.15	0.73	0.08	148	1.09	3.75
F A3901-2-P-1-24HG	24	1	3901/002-57	19x0.12 (1)	0.21	0.83	0.08	105	1.19	4.65
F A3901-2-P-1-22HG	22	1	3901/002-58	19x0.16	0.38	1.03	0.08	50.9	1.39	6.75
F A3901-2-P-1-20HG	20	1	3901/002-59	19x0.20	0.60	1.23	0.08	32.2	1.59	9.3
F A3901-2-P-1-18HG	18	1	3901/002-60	19x0.25	0.93	1.48	0.10	20.6	1.87	13.65
F A3901-2-P-2-28HG	28	2	3901/002-61	19x0.08(1)	0.10	0.63	0.08	254	1.67	5.5
F A3901-2-P-2-26HG	26	2	3901/002-56	19x0.10(1)	0.15	0.73	0.08	155	1.87	7.4
F A3901-2-P-2-24HG	24	2	3901/002-57	19x0.12(1)	0.21	0.83	0.10	110	2.10	9.8
F A3901-2-P-2-22HG	22	2	3901/002-58	19x0.16	0.38	1.03	0.10	53.5	2.5	14.0
F A3901-2-P-2-20HG	20	2	3901/005-59	19x0.20	0.60	1.23	0.10	33.8	2.90	19.4
F A3901-2-P-2-18HG	18	2	3901/002-60	19x0.25	0.93	1.48	0.12	21.6	3.40	28.2
F A3901-2-P-3-28HG	28	3	3901/002-61	19x0.08(1)	0.10	0.63	0.10	254	1.81	7.9
F A3901-2-P-3-26HG	26	3	3901/002-56	19x0.10(1)	0.15	0.73	0.10	155	2.02	10.6
F A3901-2-P-3-24HG	24	3	3901/002-57	19x0.12(1)	0.21	0.83	0.10	110	2.24	13.3
F A3901-2-P-3-22HG	22	3	3901/002-58	19x0.16	0.38	1.03	0.10	53.5	2.67	19.2
F A3901-2-P-3-20HG	20	3	3901/002-59	19x0.20	0.60	1.23	0.12	33.8	3.14	28.4
F A3901-2-P-3-18HG	18	3	3901/002-60	19x0.25	0.93	1.48	0.15	21.6	3.67	42.0

- (1) Silver plated Copper Alloy
* Closest American wire gauge

Identification:

Core colour : AWG 28: **Brown**
 AWG 26: **Black**
 AWG 24 : **Khaki beige**
 AWG 22: **Red**
 AWG 20 : **Green**
 AWG 18: **Yellow**

Jacket: Amber + stripes (see color coding table)

F A3901-2-P Series 03-1-1-2011 Rev 1

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