CONNECTORS, MINIATURE, ELECTRICAL, CIRCULAR, TRIPLE-START SELF- LOCKING COUPLING, SCOOP-PROOF, HERMETIC RECEPTACLE AND FEEDTHROUGH BASED ON TYPE MIL-C-38999, SERIES III				**288D**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401 Detail ESCC 3401/079	AXON' CABLE S.A. Montmirail France	Qualification	CNES	May 2009
		Remarks		

Qualified range:

Variants 01 to 18 are qualified

Variants 01 to 08: Plug 3 and 4 Lugs, Straight and Right Angle with pin contact
Variants 09 to 18: Bulkhead Jacks, 3 and 4 Lugs, Straight and Right Angle with solder contact

All cables are 77Ω MIL-STD-1553B Data Bus twisted shielded pairs

Working Voltage: 200 Vrms
Rated Current (contact): 1A

Operating Temperature Range (°C): -55 to +150

WIRES AND CABLES, LOW FREQUENCY, POLYIMIDE INSULATION BASED ON TYPES 3901001**B and 3901002**B				**132R**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/001 3901/002	AXON' CABLE Montmirail France	Qualification	CNES	Jan 1979
		Remarks		

Qualified range:

3901/001: variants 24 to 47
3901/002: variants 31 to 73

Voltage Rating, maximum (Vrms): 600

Temperature Range (°C): -100 to +200

WIRES AND CABLES, LOW FREQUENCY, PTFE/POLYIMIDE INSULATION, BASED ON TYPES 3901013**B	**292F**

Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/013	AXON' CABLE Montmirail France	Qualification	CNES	Jun 2009
		Remarks		

Qualified range:

All variants are qualified

Voltage Rating, maximum (Vrms):600

Temperature Range (°C): -100 to +200

WIRES AND CABLES, LOW FREQUENCY, PTFE/POLYIMIDE INSULATION, BASED ON TYPES 3901019**B	**268J**

Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/019	AXON' CABLE Montmirail France	Qualification	CNES	Jun 2002
		Remarks		

Qualified range:

All variants are qualified

Voltage Rating, maximum (Vrms):600

Temperature Range (°C): -200 to +200

WIRES AND CABLES, LOW FREQUENCY, 600V, SILVER-PLATED COPPER, EXTRUDED CROSSLINKED FLUOROPOLYMER INSULATION, BASED ON TYPE 3901012**B				**267K**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/012	AXON' CABLE Montmirail France	Qualification	CNES	Mar 2002
		Remarks This product is not intended for human space flight applications.		

Qualified range:

All variants are qualified

Wire code ISO 2635

Voltage Rating, maximum (Vrms):600

Temperature Range (°C): -100 to +200

WIRES AND CABLES, LOW FREQUENCY, INSULATED, POLYIMIDE/FLUOROTHERMOPLAST, BASED ON TYPE SPM				**300F**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/018	AXON' CABLE Montmirail France	Qualification	CNES	Dec 2009
		Remarks		

Qualified range:

Variants 01 to 88 are qualified
AWG 30 and 32 variants are qualified.

Expanded PTFE, extruded polyimide/ FEP, sintered PTFE insulated wires.

Voltage Rating, maximum (Vrms) : 600

Temperature Range (°C): -200 to +200

POLYIMIDE INSULATED SHIELDED CABLES WITH DRAIN WIRE, LOW FREQUENCY, BASED ON TYPES 3901021**B				**293F**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/021	AXON' CABLE Montmirail France	Qualification	CNES	Jun 2009
		Remarks		

Qualified range:

All variants are qualified

Voltage Rating, maximum (Vrms):600

Temperature Range (°C): -200 to +200

WIRES AND CABLES, LOW FREQUENCY, FLUROPOLYMER INSULATION, 600V, BASED ON TYPE CSWL	**299F**

Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3901 Detail ESCC 3901/024	AXON' CABLE Montmirail France	Qualification	CNES	Dec 2009
		Remarks		

Qualified range:

Variants 01 to 64 are qualified (AWG 30 variants is qualified)

Wires and Cables variants consist of 1, 2, 3 and 4 cores with and without jackets and shields

NOTE: The high strength toughened fluoropolymer PTFE tape (HST-F) use for the manufacturing of the primary insulation of the wire is named “ART tape”.

Voltage Rating, maximum (Vrms):600

Temperature Range (°C): -200 to +200

WIRES AND CABLES, RADIO FREQUENCY, FLEXIBLE, COAXIAL, TRIAXIAL AND SYMMETRIC, BASED ON TYPE 3902/002				**298F**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3902 Detail ESCC 3902/002	AXON' CABLE Montmirail France	Qualification	CNES	Dec 2009
		Remarks		

Qualified range:

Variants 03 to 06, 10 to 13 and 20 to 30 are qualified

Variants encompass coaxial, triaxial, and balanced shielded line

Temperature range (°C): -200 to +180

WIRES AND CABLES, SPACEWIRE, ROUND, QUAD SYMMETRIC, FLEXIBLE, BASED ON TYPE SPACEWIRE				**291F**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3902 Detail ESCC 3902/003	AXON' CABLE Montmirail France	Qualification	CNES	Dec 2009
		Remarks		

Qualified range:

Variant 01 AWG 28/07 (white) and variant 02 AWG 26/07 (blue) are qualified

Variant	Data Rate	Operating Voltage (Continuous), (Vrms)	Current (A)
01	100Mb/s - 400MHz	200	1.5
02	200Mb/s - 400MHz	200	2.5

Temperature range (°C): -200 to +180

WIRES AND CABLES, SPACEWIRE, ROUND, QUAD SYMMETRIC, FLEXIBLE, BASED ON TYPE SPACEWIRE				**335C**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3902 Detail ESCC 3902/004	AXON' CABLE Montmirail France	Qualification	CNES	Oct 2015
		Remarks		

Qualified range:

Variant 01 is qualified.

Temperature range (°C): -100 to +150

RF Cable Assembly, 2.4mm connectors, low power, 50 ohms, flexible cable, DC to 45Ghz based on type Axowave SL34SQ	**365**

Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3408 Detail ESCC 3408/003	Axon' Cable, France	Qualification	CNES	February 2020
		Remarks		

All variants qualified

Characteristics	Maximum Ratings	Units	Remarks
Nominal Impedance	50	Ω	
Operating Frequency Range	DC to 45	GHz	AC (50Hz) without breakdown
Working Voltage	500	Vrms	
Minimum Bending Radius	40	mm	
Operating Temperature Range	-55 to +125	°C	

Shielding effectiveness 90dB from DC to 18GHz and 70dB from 18 to 40GHZ

CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE BASED ON TYPE MDM and MDSA D-CLICK.				**370**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3401 Detail ESCC	Axon' Cable, France	Qualification	CNES	Jan 2021
		Remarks		
3401/029, 3401/032, 3401/091				

Qualified range:

3401/029 (MDSA):	Shell variant 01 (Nickel finish). Contacts arrangements: 09-15-21-25-31-37-51 (non removable crimp contacts). Contacts termination type: FR112 to FR116, FR112A to FR115A, FR112B to FR115B, FR123, FR123A, FR123B, FR139,75SBB, 75SBT, 75RBB, 75RBT, CBRB, CBRT.
3401/091 (MDSA D-CLICK):	Connector variants 01 to 06, Jumper variants 07 to 09. Contacts arrangements: 09-15-21-25-31-37 (non removable crimp contacts).
3401/032:	Accessories variants 07, 08, 21 to 38

Operating Temperature Range (°C): -55 to +125

RF Cable assembly, 2.92mm connectors, low power, 50 ohms, flexible cable, DC to 32 Ghz, based on type AXOWAVE 44SLQ				**383**
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3408 Detail ESCC 3408/004	Axon' Cable, France	Qualification	CNES	September 2022
		Remarks		
Variants 01,02 and 03 are qualified Operating Temperature Range -55 to +125 °C				