



# SOURIAU

## Overmolded Cable assemblies



**Esterline**  
Connection Technologies

# Overmolded Cable assemblies

## Specifications

### UTO



- Shielded metal connector
- Extreme sealing: IP68/69K

- 17 layouts
- Rapid 1/3 turn connection

Plating	Salt spray	Temperature	Sealing	Mechanical
Black anodized	96 H	-40° C + 50° C	IP68/69K mated	500 matings/unmatings
Nickel	48 H			

### UTS



- Plastic connector
- Extreme sealing: IP68/69K

- 30 layouts
- Rapid 1/3 turn plastic connection

Plating	Salt spray	Temperature	Sealing	Mechanical
No plating	500 H	-40° C + 50° C	IP68/69K mated	250 matings/unmatings

### UTL



- Plastic connector
- Extreme sealing: IP68/69K

- Power supply rated by UL
- Push Pull locking mechanism with audible «click»

Plating	Salt spray	Temperature	Sealing	Mechanical
No plating	≥1000 H	-40° C + 90° C	IP68/69K mated/unmated	500 matings/unmatings

### JBX



- Metal connector
- High density/40 layouts from 2 to 30 positions

- IP40 and limited sealed IP68
- Push pull locking mechanism

Plating	Salt spray	Temperature	Sealing	Mechanical
Nickel Chrome	96 H	-55° C + 50° C	IP40/68 mated	1,000 matings/unmatings

### JDX



- Metal connector
- High density/19 layouts from 2 to 19 positions

- Sealing: IP68
- Positive latching and breakaway feature

Plating	Salt spray	Temperature	Sealing	Mechanical
Nickel Chrome	96 H	-40° C + 85° C	IP68 mated/unmated	2,500 matings/unmatings

\* Contact us for more information on mating receptacle offering

# Overmolded Cable assemblies

## UTO

### Connector

- Shielded metal connector
- Extreme sealing: IP68/69K
- 17 layouts
- Rapid 1/3 turn connection








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### Construction

- Polyurethane Jacket (Black)
- 16 AWG conductors
- Multi-conductor 8
- 300V
- Shielded
- Flammability rating UL 1581 Sec.1080 (VW-1)

### Applications

- Machining Centers (Oil Resistant)
- Assembly Automation Equipment
- Geophysical Equipment
- Solar (UV Stable)
- Outdoor Displays

Plating	Salt spray	Temperature	Sealing	Mechanical
				
Black anodized*	96 H	-40° C + 50° C	IP68/69K mated	500 matings/unmatings
Nickel	48 H			

\* Custom black anodized version available on demand

## Description

Series	Nbr contacts	Size	Wire size	Description	Length (FT)	Part number
UTO	8	12	16 AWG	D/E assembly 1 male plug & 1 female plug	3	UT06V1208PS03FT00
UTO	8	12	16 AWG	D/E assembly 1 male plug & 1 female plug	6	UT06V1208PS06FT00
UTO	8	12	16 AWG	D/E assembly 1 male plug & 1 female plug	12	UT06V1208PS12FT00
UTO	8	12	16 AWG	S/E assembly 1 female plug	3	UT06V1208S03FT00
UTO	8	12	16 AWG	S/E assembly 1 female plug	6	UT06V1208S06FT00
UTO	8	12	16 AWG	S/E assembly 1 female plug	12	UT06V1208S12FT00
UTO	8	12	16 AWG	S/E assembly 1 male plug	3	UT06V1208P03FT00
UTO	8	12	16 AWG	S/E assembly 1 male plug	6	UT06V1208P06FT00
UTO	8	12	16 AWG	S/E assembly 1 male plug	12	UT06V1208P12FT00

# Overmolded Cable assemblies

## UTS

### Connector

- Plastic connector
- Extreme sealing: IP68/69K
- 30 layouts
- Rapid 1/3 turn plastic connection








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### Construction

- PVC Jacket (Black)
- 16 AWG conductors
- Multi-conductor 4, 8 or 12
- 300V
- Unshielded
- Flammability rating UL 1685 (UL1581 Sec.1160)

### Applications

- Industrial Controls
- Electronics
- Controlled Environment Equipment
- LED Lighting

Plating	Salt spray	Temperature	Sealing	Mechanical
				
No plating	500 H	-40° C + 50° C	IP68/69K mated	250 matings/unmatings

## Description

Series	Nbr contacts	Size	Wire size	Description	Length* (FT)	Part number
UTS	4	10	16 AWG	D/E assembly 1 male plug & 1 female plug	3	UTS6V1004PS03FT00
UTS	8	12	16 AWG	D/E assembly 1 male plug & 1 female plug	3	UTS6V1208PS03FT00
UTS	12	14	16 AWG	D/E assembly 1 male plug & 1 female plug	3	UTS6V1412PS03FT00
UTS	4	10	16 AWG	S/E assembly 1 female plug	3	UTS6V1004S03FT00
UTS	8	12	16 AWG	S/E assembly 1 female plug	3	UTS6V1208S03FT00
UTS	12	14	16 AWG	S/E assembly 1 female plug	3	UTS6V1412S03FT00
UTS	4	10	16 AWG	S/E assembly 1 male plug	3	UTS6V1004P03FT00
UTS	8	12	16 AWG	S/E assembly 1 male plug	3	UTS6V1208P03FT00
UTS	12	14	16 AWG	S/E assembly 1 male plug	3	UTS6V1412P03FT00

\* Other lengths available: 3, 6, 12 feet only: e.g. UTS6V1004PS06FT00 for a 6 feet version

# Overmolded Cable assemblies

## UTL

### Connector

- Plastic connector
- Extreme sealing: IP68/69K
- Power supply rated by UL
- Push pull locking mechanism

### 14 AWG wire

- SJOOW: 300V, 90°C
- UL listed & CSA certified for indoor & outdoor use
- UL-62/CSA C22.2-49; MSHA approved; RoHS compliant
- Resistant to: oil, uv, water

### 16 & 18 AWG wires

- SOOW: 600V, 90°C
- Passes MSHA flame-test p-136-MSHA
- Resistant to: oil, uv (UL-62), solvents, water, ozone, aging and abrasion



\* Contact us for more information on mating receptacle offering

### Applications

- Industrial Controls
- Electronics
- Controlled Environment Equipment
- LED Lighting
- Solar (UV Stable)
- Outdoor Displays

Plating	Salt spray	Temperature	Sealing	Mechanical
No plating	≥1000 H	-40° C + 90° C	IP68/69K mated/unmated	500 matings/unmatings

## Description

Series	Nbr contacts	Size	Wire size	Description	Length* (FT)	Part number
UTL	4	10	14 AWG	D/E assembly 1 male plug & 1 female plug	3	UTLMKT63G1PS3FT
UTL	4	10	16 AWG	D/E assembly 1 male plug & 1 female plug	3	UTLMK63G1PS03FT00
UTL	4	10	18 AWG	D/E assembly 1 male plug & 1 female plug	3	UTLMK63G1PS03FT01
UTL	4	10	14 AWG	S/E assembly 1 female plug	3	UTLMKT63G1S3FT
UTL	4	10	16 AWG	S/E assembly 1 female plug	3	UTLMK63G1S03FT00
UTL	4	10	18 AWG	S/E assembly 1 female plug	3	UTLMK63G1S03FT01
UTL	4	10	14 AWG	S/E assembly 1 male plug	3	UTLMKT63G1P3FT
UTL	4	10	16 AWG	S/E assembly 1 male plug	3	UTLMK63G1P03FT00
UTL	4	10	18 AWG	S/E assembly 1 male plug	3	UTLMK63G1P03FT01
UTL	4	10	14 AWG	D/E assembly 1 male plug & 1 female inline receptacle	3	UTLMKT613G1SP3FT
UTL	4	10	16 AWG	D/E assembly 1 male plug & 1 female inline receptacle	3	UTLMK613G1SP03FT00
UTL	4	10	18 AWG	D/E assembly 1 male plug & 1 female inline receptacle	3	UTLMK613G1SP03FT01

\* Other lengths available: 3, 6, 12 feet only: e.g. UTLMKT63G1PS6FT for a 6 feet version 14 AWG jumper or UTLMK63G1PS06FT01 for a 6 feet version 18 AWG jumper

# Overmolded Cable assemblies

## JBX/JDX

### JBX

- Metal connector
- High density/40 layouts from 2 to 30 positions
- IP40
- Push pull locking mechanism



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### JBX to USB: JBXSCFD0G04MSS1






- USB 2.0 Type A Male Cable
- Jacket Rating: Standard
- For JBX Size 0, 4 conductor receptacles to USB device
- Shielded

### JBX to DB9: JBXSCFD1G10MSS1

- Low Profile DB9 Male Cable
- Jacket Rating: CMG Rated
- For JBX Size 1, 10 conductor receptacles to RS-232/Serial communications
- Shielded

### JBX to RJ45: JBXSCFD1G08MSS1

- Conductor: 4-pair
- Jacket: PVC/Jacket Rating: Standard
- Wired: TSB 568B (AT&T 258A)
- Shielded (w/drain wire)
- Certification: TIA/EIA
- For JBX Size 1, 8 conductor receptacles to RJ45 Male

Plating	Salt spray	Temperature	Sealing	Mechanical
				
Nickel Chrome	96 H	-55° C + 50° C	IP40	1,000 matings/unmatings

### JDX

- Metal connector
- High density/19 layouts from 2 to 19 positions
- Sealing: IP68
- Positive latching and breakaway feature








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### JDX to JDX: JDXCFDFD2T19MSN

- JDX FD Cable
- Multi conductor cable
- Connector: JDXFD2T19MSN
- Jacket: PUR

- Woven braid shielding @ 85% coverage
- Jacket Rating: Standard
- For JDX Size 2, 19 conductor receptacles
- Shielded

Plating	Salt spray	Temperature	Sealing	Mechanical
				
Nickel Chrome	96 H	-40° C + 85° C	IP68 mated/unmated	2,500 matings/unmatings

## Description

Series	Nbr contacts	Size	Wire size	Description	Length* (FT)	Part number
JBX	10	1	28 AWG (DB9M)	D/E assembly JBX male plug to DB9 male plug	10	<b>JBXSCFD1G10MSS1</b>
JBX	8	1	24 AWG (Cat5E)	D/E shielded assembly JBX male plug to RJ45 male plug	5	<b>JBXSCFD1G08MSS1</b>
JBX	4	0	28 AWG (USB 2.0)	D/E assembly JBX male plug to USB male plug	5	<b>JBXSCFD0G04MSS1</b>
JDX	19	2	28 / 32 AWG	D/E assembly JDX male plug on each end	5	<b>JDXCFDFD2T19MSN</b>

# Overmolded Cable assemblies



## 48 Hrs Quotation Service

- 48 hour Quick-turn quotation & aggressive delivery service on Standard Cable offering for your immediate prototype and cable assembly needs.
- Fast response when a more customized solution is needed – see our Custom Cable Assembly Capabilities.
- We can support both prototype and/or production order volumes.
- Harsh environment and sealed applications are our specialty.
- Our standard cable assemblies offer a reliable and technical solution for a broad scope of markets & applications.
- Competitive pricing without sacrificing our dedication to exceptional Quality.
- Contact us via: [sales@souriau.com](mailto:sales@souriau.com)

## Custom Cable Assembly Capabilities

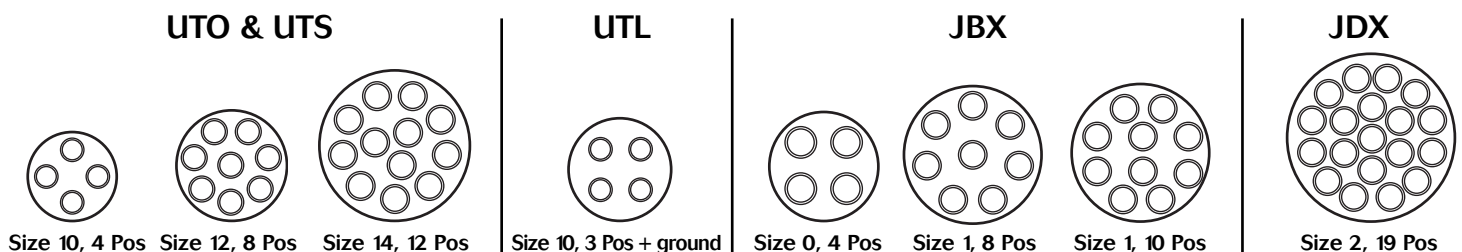
Our success is attributed to our personalized service and collaborative approach to helping our customers with more complex and sophisticated interconnect design, engineering and manufacturing needs for bringing challenging and innovative products to market.

Whether your design requires exceptional sealed and overmolded plugs, integrated surge protection, current limiting signal conditioning or custom SOURIAU connectors and layouts..... we are the connection technology provider for you.

- We strive to provide 48-hr response on Custom Cable Assembly Solutions with SOURIAU connectors and commercially available cable. (Response time for Quotes & Delivery may vary depending upon complexity of design, customer needs or ITAR requirements.)

Choose SOURIAU as your solution provider for your "outside the box", rugged and harsh environment interconnect needs. For pricing support on customized needs: contact us via: [pricing@souriau.com](mailto:pricing@souriau.com)

## SOURIAU standard layout



# Overmolded Cable assemblies



## SOURIAU capabilities

### Manufacturing locations

SOURIAU has established global manufacturing locations, testing capabilities, sales and engineering offices to service our domestic and international customers with a local presence. SOURIAU products can be purchased through a vast network of authorized distribution partners.

## Quality assurance

- Cable assemblies are manufactured & inspected to the requirements of IPC/WHMA-A-620 and SOURIAU personnel are trained annually by certified IPC instructors.
- Our quality system is based on the requirements of 1509001/AS9100 and First Article Inspection reports are created in accordance with AS9102.
- SOURIAU has its own independent test center recognized by many national standard laboratories and can qualify programs to UL, CSA, VDE and EN.
- SOURIAU is a world leader in signal integrity and can provide certification testing for all major protocols including: CAT 5, 5E, RS-485.
- Testing capability includes full certification reports with NEXT, FEXT, impedance, and attenuation to 40 GHz.
- Crosstalk for mixed power and signal assemblies can be provided to meet your system needs. Measurement capabilities include both time and frequency domains to meet a broad spectrum of applications.

## Wiring

Class 3 for Harsh Environments is our focus, but Class (1, 2, or 3) can be selected based on your application.

- Class 1 - General Electronic Products (applications or requirements for assembly function)
- Class 2 - Dedicated Service Electronic Products (for continued performance and extended life requirements where uninterrupted service is desired)
- Class 3 - High Performance Electronic Products (for applications where downtime is not tolerated and the environment is harsh).

# SOURIAU

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