



SOURIAU

Overmolded Cable assemblies



Esterline
Connection Technologies

Overmolded Cable assemblies

UTO

Connector

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








* Contact us for more information on mating receptacle offering

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



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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



* Contact us for more information on mating receptacle offering

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: JBXSCFD0G08MSS1

- Conductor: 4-pair
- Jacket: PVC/Jacket Rating: Standard
- Wired: TSB 568B (AT&T 258A)
- Shielded (w/drain wire)
- Certification: TIA/EIA
- For JBX Size 0, 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








* Contact us for more information on mating receptacle offering

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 | JBXSCFD1G10MSS1 |
| JBX | 8 | 0 | 24 AWG (Cat5E) | D/E shielded assembly JBX male plug to RJ45 male plug | 5 | JBXSCFD0G08MSS1 |
| JBX | 4 | 0 | 28 AWG (USB 2.0) | D/E assembly JBX male plug to USB male plug | 5 | JBXSCFD0G04MSS1 |
| JDX | 19 | 2 | 28 / 32 AWG | D/E assembly JDX male plug on each end | 5 | JDXCFDFD2T19MSN |

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

Custom Cable Assembly Capabilities

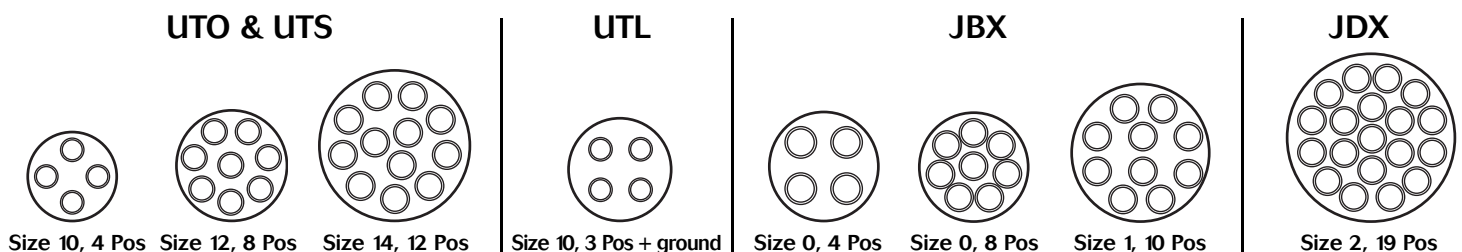
Our success is attributed to our personalized service and collaborative approach to helping our customers with more complex and sophisticated interconnect design, engineering and manufacturing needs for bringing challenging and innovative products to market.

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

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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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