



# SOURIAU

## Overmoulded Cable Assembly Selector Guide

## SOURIAU Services

### An availability around the world

- Global manufacturing locations
- Vast network of authorised distribution partners.

### Reliable solutions

- Certification for all major high speed protocols: CAT 5, 5E, RS-485
- Electrical control of each harness
- Test capabilities: vibration, temperature, flexing and sealing
- Wires encapsulated within the potting: sealing is maintained if the cable sheath is breached.

### Your Custom Interconnect Capabilities



Custom Overmould



Optical Cable Assembly



Y or T Shape Connection



Overmould on Two Cables



Overmould on Curly Cable



PCB Connection

## Features & Benefits

**READY  
TO  
INSTALL**

### Full Interconnect Solution

SOURIAU overmould harness is composed of connectors, overmould (straight or right angle) and cable according to your requirements (length, environmental constraints) for an easy and secured installation.

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**WATER  
PROOF**

### IP68/69K Mated and Unmated

Water and dust protection, secure for outdoor and indoor applications.

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**LONG  
LIFE  
DURATION**

### UV Resistant

No mechanical deterioration or important variation of colour after 5 years of exposure in natural environment (equivalence exposure to sun and moisture as per ISO4892).

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**HUMAN  
FRIENDLY**

### Halogen Free

Non-hazardous to members of the public in case of fire.

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**SIGNAL  
INTEGRITY**

### Shielding

Can be used when signals have to be transmitted in EMC area.

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## Robust Metal & Shielding Overmould (UTO Series)

3 standard layouts: 4 pos, 8 pos, 12 pos. Other layouts on request, please consult us.



### Connector

- Metal connector with Nickel plating
- Rapid 1/3 turn connection

### Cable

- TPE outer sheath (black color)
- 300V
- Flammability rating UL 94V0 Sec.1080 (VW-1)
- Resistant to a wide range of chemical fluids

## MIL DTL 26482 Overmould (851 Series)

4 standard layouts: 4 pos, 6 pos, 10 pos, 19 pos. Other layouts on request, please consult us.



### Connector

- Metal connector
- Rapid 1/3 turn connection
- Conforms to the international standard MIL-DTL-26482G series 1

### Cable

- TPE outer sheath (black color)
- 300V
- Flammability rating UL 1581 Sec.1080 (VW-1)
- Resistant to a wide range of chemical fluids

Connector	Plating	Salt spray	Temperature	Sealing	Mechanical	Shielding
UTO	Black anodized	96 H	-40° C up to + 105° C	IP68/69K mated	500 matings/ unmatings	65 dB
	Nickel	48 H				
851	Black Zinc nickel or Cadmium or Black anodized	500 H	-55° C up to + 125° C	IP68	500 matings/ unmatings	70 dB
	Nickel	48 H	-55° C up to + 125° C	IP68	500 matings/ unmatings	

With appropriate cable and overmould

## UL/IEC Power Supply Overmould (UTL Series)

1 standard layout: 4 pos.



### Connector

- Plastic connector
- Push pull locking mechanism

### Cable

- H07RN-F: 750V
- Outer sheath: rubber compound EM2
- Colour outer sheath (black color)
- Core section: 2.5mm<sup>2</sup>
- Flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482 part 332-1-2
- Resistant to Oil, Solvents, Water, Ozone, aging and abrasion

## Waterproof IP67/IP68/IP69K Overmould (UTS Series)

3 standard layouts: 4 pos, 8 pos, 12 pos. Other layouts on request, please consult us.



### Connector

- Plastic connector
- Rapid 1/3 turn


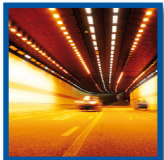
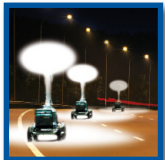






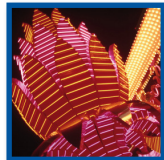

















### Cable

- PVC outer sheath (grey color)
- 1.5 mm<sup>2</sup> conductor
- 300V
- Flammability rating IEC (UL1581 Sec.1160)
- High flexibility
- Small cable diameter

Connector	Plating	Salt spray	Temperature	Sealing	Mechanical
UTL	No plating	≥1000 H	-40° C up to + 105° C	IP68/69K mated	500 matings/unmatings
UTS	No plating	500 H	-40° C up to + 105° C	IP68/69K mated	500 matings/unmatings

With appropriate cable and overmould



					Recommended Applications										
Connector	Cable	UV resistant	Flexing	Shielding	 Renewable Energy	 Road Infrastructure	 Portable Energy	 Civil Marine	 Power Generation / Energy	 Factory Automation & Control	 Off-Road	 Instrumentation / Measurement	 Telecom / Datacom Infrastructure	 Stage Light & Sound	Why use this configuration?
 UTS	Low Smoke Halogen Free	☆☆☆	☆☆☆	☆☆☆		■									Can be used in public facilities
 UTL		☆☆☆	☆☆☆	☆☆☆		■									
 UTS	PVC Outer Sheath	☆☆☆	☆☆☆	☆☆☆	■		■		■	■		■	■	■	The best proposal for indoor applications
 UTL		☆☆☆	☆☆☆	☆☆☆	■		■		■	■		■	■	■	
 UTO		☆☆☆	☆☆☆	☆☆☆						■		■	■	■	
 UTO	PUR or TPE Outer Sheath	☆☆☆	☆☆☆	☆☆☆						■	■	■	■		Proven all-weather harnesses resistant against a variety of chemical fluids
 851		☆☆☆	☆☆☆	☆☆☆							■	■	■	■	
 UTS		☆☆☆	☆☆☆	☆☆☆	■	■	■	■	■	■	■	■	■	■	
 UTL		☆☆☆	☆☆☆	☆☆☆	■	■	■	■	■	■		■	■	■	
 UTS	H07RNF	☆☆☆	☆☆☆	☆☆☆	■		■		■		■			■	Heavy-duty and very well known cable for usage both in and outdoor applications
 UTL		☆☆☆	☆☆☆	☆☆☆	■		■		■					■	
 UTS	H07RN8F	☆☆☆	☆☆☆	☆☆☆				■				■		■	The right choice for immersed applications
 UTL		☆☆☆	☆☆☆	☆☆☆				■					■		
 UTS	Curly Structure Pur Sheath	☆☆☆	☆☆☆	☆☆☆			■					■		■	Perfect solution for telescopic applications
 UTL		☆☆☆	☆☆☆	☆☆☆			■							■	
 UTO		☆☆☆	☆☆☆	☆☆☆								■			
 851		☆☆☆	☆☆☆	☆☆☆								■			



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