



SOURIAU

Overmoulded Cable Assembly Selector Guide

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<https://souriau.nt-rt.ru/> || sur@nt-rt.ru

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.

WATER PROOF

IP68/69K Mated and Unmated

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

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).

HUMAN FRIENDLY

Halogen Free

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

SIGNAL INTEGRITY

Shielding

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

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: 2.5mm²
- 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

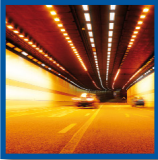
- Plastic connector
- Rapid 1/3 turn

Cable

- PVC outer sheath (grey color)
- 1.5 mm² 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										Why use this configuration?
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 	
 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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