



## Cable assembly

Souriau provides connectors in various applications for more than 90 years in the most extreme environment.

Being conscious about the difficulty to find a quick and a reliable harness manufacturer, we decided years ago to start in house cable assembly production. It allows customers to reduce the number of suppliers, and to take advantage of the "best in class" quality of the Souriau group. Overmoulding is a process that further enhances the sealing properties of the UTS range, especially over many years of use. Overmoulding provides the opportunity to change the cable exit from straight through 90 degrees and avoid any stress on the cable terminated to the connector. Also, as the wires are encapsulated inside the moulding, a barrier is created which prevents from any liquid from entering the equipment through the connector if the cable jacket is breached.

In this section you'll find standard cable sets but as all customers are unique we are happy to adapt our proposal to your specific needs on demand.

### Harnesses

#### Standard harnesses

Connector type	Backshell type	Gender	Connector size	Part number		
				1m of cable	3m of cable	5m of cable
UTS standard	Straight	Male	10 to 18	HAUTS - - PST100	HAUTS - - PST300	HAUTS - - PST500
		Female		HAUTS - - SST100	HAUTS - - SST300	HAUTS - - SST500
UTS Hi seal	Straight	Male	8 to 14	HAUTS - E - PST100	HAUTS - E - PST300	HAUTS - E - PST500
		Female		HAUTS - E - SST100	HAUTS - E - SST300	HAUTS - E - SST500

#### Overmoulded harnesses

**Discrete connector**

If cable jacket is breached... water ingress unhampered, leading to damage.

**Overmoulded connector**

If cable jacket is breached... prevents water ingress via capillary action.

Connector type	Backshell type	Gender	Connector size	Part number		
				1m of cable	3m of cable	5m of cable
UTS standard	Straight	Male	10 to 18	HAUTSOV - - PST100	HAUTSOV - - PST300	HAUTSOV - - PST500
		Female		HAUTSOV - - SST100	HAUTSOV - - SST300	HAUTSOV - - SST500
	90°	Male		HAUTSOV - - PRA100	HAUTSOV - - PRA300	HAUTSOV - - PRA500
		Female		HAUTSOV - - SRA100	HAUTSOV - - SRA300	HAUTSOV - - SRA500
UTS Hi seal	Straight	Male	8 to 14	HAUTSOV - E - PST100	HAUTSOV - E - PST300	HAUTSOV - E - PST500
		Female		HAUTSOV - E - SST100	HAUTSOV - E - SST300	HAUTSOV - E - SST500
	90°	Male		HAUTSOV - E - PRA100	HAUTSOV - E - PRA300	HAUTSOV - E - PRA500
		Female		HAUTSOV - E - SRA100	HAUTSOV - E - SRA300	HAUTSOV - E - SRA500

Other lengths and configurations: on demand, see factory.  
 Note: UTS standard necessarily with gold plated stamped & formed contacts.  
 For coding "--" see p. 37



## Cable information

<b>Range of temperature:</b>	Occasional flexing: -5°C up to +70°C Fixed installation: -40°C up to +80°C
<b>Rated voltage:</b>	U0/U: 300/500 V
<b>Wire section :</b>	Arrangement with #16 contact: wire section 1.5 mm <sup>2</sup> Arrangement with #20 contact: wire section 0.5 mm <sup>2</sup>

## Cable selection

Connector type		Number and size of wires	Cable used	
Shell size	Layout for coding "--" p.36		Type	Harmonised reference
8	8E2	2 #20	2X0.5	H05 VV - F 2X0.5
	8E3; 8E3A; 8E33; 8E98	3 #20	3X0.5	H05 VV - F 3X0.5
	8E4	4 #20	4X0.5	H05 VV - F 4X0.5
10	103PE*	3 #16	3G1.5	H05 VV - F 3G1.5
	103	3 #16	3X1.5	H05 VV - F 3X1.5
	104	4 #16	4X1.5	H05 VV - F 4X1.5
	106; 10E6; 1098	6 #20	7X0.5	H05 VV - F 7X0.5
	10E7	7 #20	7X0.5	H05 VV - F 7X0.5
12	12E2	2 #16	2X1.5	H05 VV - F 2X1.5
	12E3	3 #16	3X1.5	H05 VV - F 3X1.5
	124PE*	4 #16	4G1.5	H05 VV - F 4G1.5
	124	4 #16	4X1.5	H05 VV - F 4X1.5
	128	8 #16	8X1.5	H05 VV - F 8X1.5
	12E8	8 #20	10G0.5	H05 VV - F 10G0.5
	1210; 12E10	10 #20	10G0.5	H05 VV - F 10G0.5
	1214	14 #20	14G0.5	H05 VV - F 14G0.5
14	142G1	3 #8	3G10	H05 VV - F 3G10
	14E5	5 #16	3G10	H05 VV - F 3G10
	147PE*	7 #16	7G1.5	H05 VV - F 7G1.5
	147	7 #16	7X1.5	H05 VV - F 7X1.5
	1412	12 #16	12X1.5	H05 VV - F 12X1.5
	14E12	8 #20; 4 #16	12G0.5	H05 VV - F 12G0.5
	14E15	14 #20; 1 #16	18G0.5	H05 VV - F 18G0.5
	14E18	18 #20	18G0.5	H05 VV - F 18G0.5
	1419; 14E19	19 #20	21G0.5	H05 VV - F 21G0.5
18	18E11	11 #16	12X1.5	H05 VV - F 12X1.5
	1823	23 #16	25G1	H05 VV - F 25G1.5
	18E30	29 #20; 1 #16	30G0.5	H05 VV - F 30G0.5
	1832; 18E32	32 #20	35G0.5	H05 VV - F 35G0.5

\*Suffix PE added to mention the use of a ground wire.