



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



UTL SERIES



# SOURIAU

UL/IEC Power Supply & Power Cable Connectors





**Contents**

**Overview**

Typical Applications..... 06  
 Features & Benefits ..... 07  
 Range Overview ..... 08  
 General Technical Characteristics ..... 10

**Connector**

Overmoulded Cable Assembly ..... 14  
 3 Contacts + Ground ..... 18  
 6 Contacts ..... 22

**Contacts**

Description ..... 28  
 Contact Plating Selector Guide ..... 29  
 Contact Selector Guide ..... 30  
 Packaging ..... 30  
 Crimp Contacts ..... 31  
 #16 Coaxial Contacts ..... 33  
 PCB Contacts ..... 34

**Technical information**

Tooling ..... 38  
 Crimping Instructions ..... 40  
 Handle & Interchangeable Heads ..... 42  
 Insertion Tool ..... 43  
 Extraction Tool ..... 43  
 Mated Connector Length ..... 44  
 Assembly Instructions ..... 45  
 Evaluation Kit ..... 49  
 Rated Current & Working Voltage ..... 52  
 UV Resistance ..... 53  
 UL94 + UL1977 ..... 54  
 IEC 61984 with IP Code Explained ..... 57  
 IEC 61140 Explained ..... 59  
 What is NEMA Rating ? ..... 60  
 Ethernet for the Layman ..... 61  
 RS-485 for the Layman ..... 63

**Appendices**

#16 Coaxial Contacts - Cabling Notices ..... 66  
 Glossary of Terms ..... 73  
 Part Number Index ..... 74

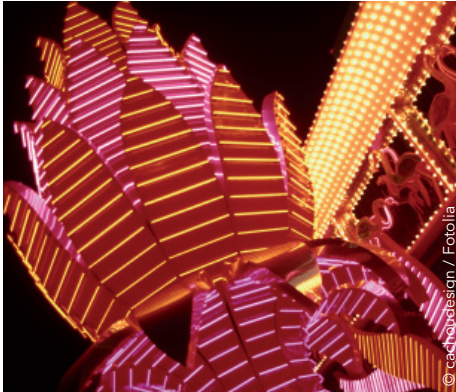
# UTL SERIES

UTL Series

# Overview

■ Typical Applications .....	06
■ Features & Benefits .....	07
■ Range Overview .....	08
■ General Technical Characteristics .....	10

### Typical Applications



Stage & Light



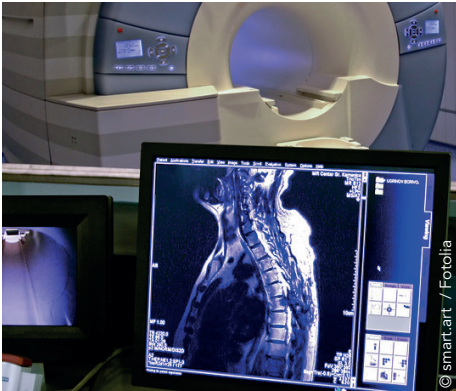
Energy - Power



Building Automation & Control



Telecom - Data infrastructure



Medical



Instrumentation & Measurement

## Features & Benefits

### WATER PROOF

#### IP68/69K Dynamic Mated & Unmated

Ideal for outdoor and indoor dynamic applications requiring continuous underwater immersion, routine pressure washing and dust protection.

---

### UV RESISTANT

#### No Degradation - Long Outdoor Life

No mechanical degradation or important color variation due to environmental exposure (F1 material per the UL 746C).

---

### UL/IEC COMPLIANT

#### Qualified & Certified

- UL file : E169916
  - VDE customer n°: 4282400
- 

### QUICK RELEASE

#### Sensitive and audible click

Unique "Keyhole" shape of the connector allows users to mate and unmate in blind conditions with audible click confirming connection. Easy to use thumb latch design reduced labor and time during installations.

---

### COST SAVINGS

#### Mixed Power & Signal Layouts

Power supply and signal transmission can be combined in a unique interconnect solution to reduce system complexity and minimize component/installation costs.

---

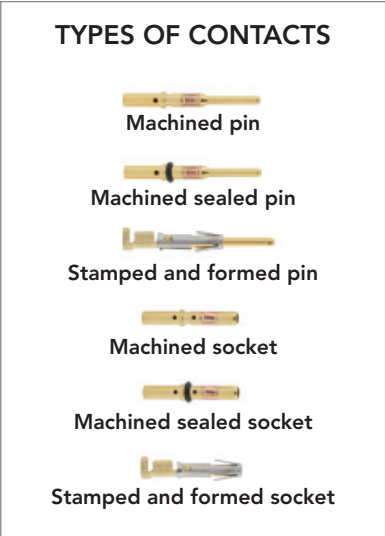




**HARNESS**  
Overmould  
(straight or right angle)

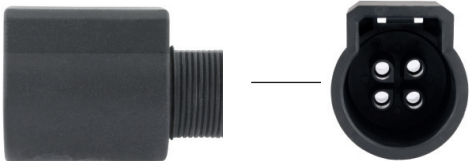


**PLUG**  
UTL6



RECEPTACLES

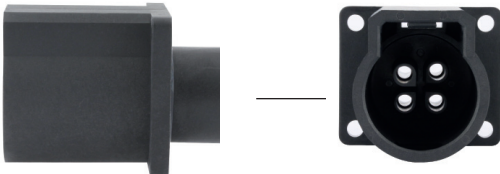
In line - UTL1



Jam nut - UTL7



Square flange - UTL0



HARNESS  
Overmould  
(straight or right angle)





## Description

- The UTL Series is a plastic connector range that meets current safety standards.
- The stainless steel latch coupling system is simple to use. With only 1 finger, connectors are mated with an audible and sensitive "click".
- The "Key hole" of the coupling system allows blind mating. In dark conditions the mechanical discriminations allow easy mating to avoid connector damage.
- The UTL Series is rated at IP68/69K even in dynamic conditions and remains sealed even when used continuously underwater or cleaned using a high pressure hose and cable is moving.
- The UTL Series uses an outdoor rated material per Underwriters Laboratories.

## Technical Features

### Materials

- **Housing:** Thermoplastic
- **Contacts:** See page 31
- **Latch:** Stainless steel
- **Halogen free**

### Electrical

- UL: 600V 16A UL94 5VA  
277V 13A for CBC use
- CN: 600V 13A  
277V 10A for CBC use
- IEC: 16A 500V 6KV 4  
13A 250V 4KV 4 for CBC use
- Connector specially designed to be engaged or disengaged in normal use when live or under load
- First Mate Last Break contact mating on ground line
- **In accordance with:**
  - IEC60065, IEC60598, UL1598, IEC60320, UL498, UL94, UL746, IEC61076-2-103
  - UL 1977: UL file number E169916

- IEC 61984: IEC file number  
4282400-1431-0004/168702



### Environmental

- **Operating temperature:**  
From -40°C to +105°C for connector  
From -25°C to +60°C for cable assemblies due to cable performances: see page 14 for cable assemblies
- **Flammability rating:**  
UL 94 5VA
- **Salt spray:**  
≥1000 hours
- **UV resistant:**  
No mechanical degradation or important color variation due to environmental exposure (F1 material per the UL 746C)
- **Sealing:**
  - IP68/69K mated with standard contacts
  - IP68 even unmated with sealed contacts (see page 31)

### Fluid resistance:

- Gas and oil
- Mineral oil
- Acid bath
- Basic bath

- **RoHS compliant & conforms to the Chinese standard SJ/T1166-2006**  
(Chinese RoHS equivalent)



### Mechanical

- **Durability:**  
1.000 matings & unmatings
- **Coupling system:**
  - Sensitive and audible click
  - Blind mating
- **Touchproof:**  
IP2X in unmated conditions (connector equipped with socket contacts)



# UTL SERIES

UTL Series

# Connector

■ Overmoulded Cable Assembly .....	14
■ 3 Contacts + Ground	
103G1: 16A 500V.....	18
■ 6 Contacts	
102G1W3: 16A 500V.....	22

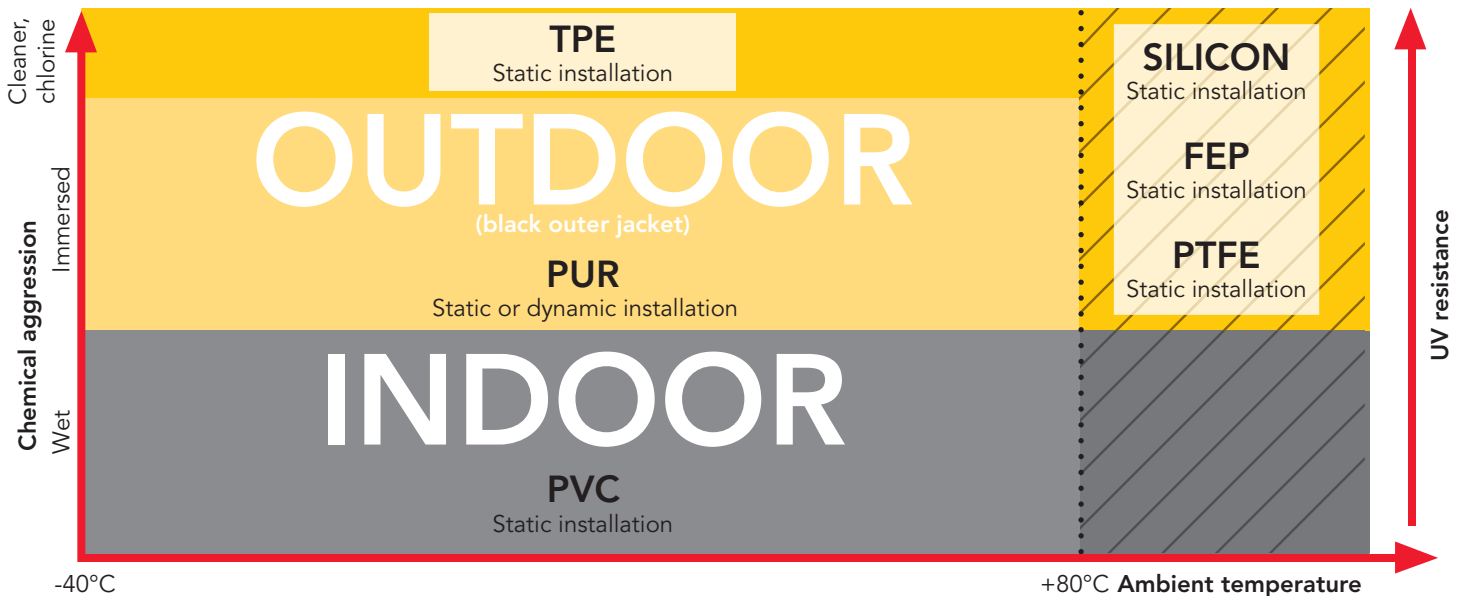
## Overmoulded Cable Assembly

SOURIAU has provided connectors for various applications for more than 90 years and has been used in the most extreme environments. Conscious about the difficulty in finding a quick and reliable harness manufacturer, we began our own in-house Overmoulded 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 and helps to minimize stress on the cable termination to the connector. In addition, the wires are encapsulated inside the molding which creates a barrier preventing liquid/moisture from entering the equipment through the connector or cable jacket if breached.

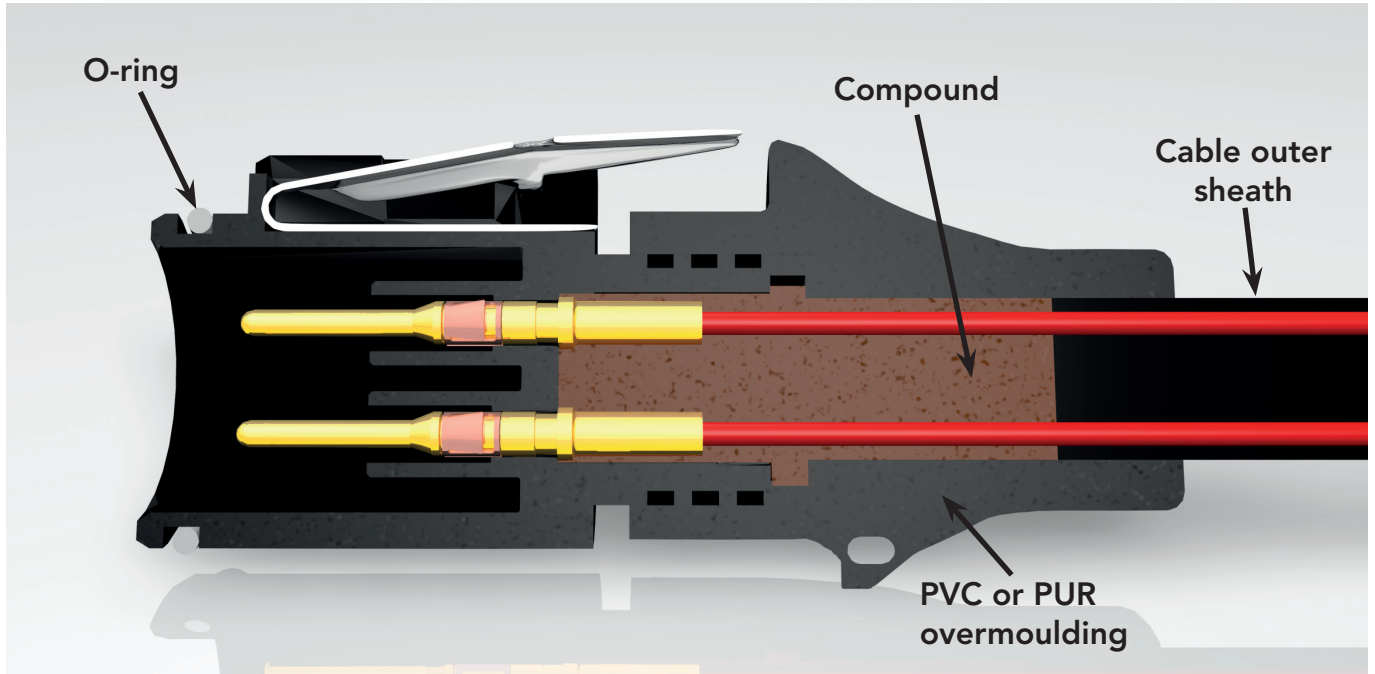


### How to choose the outer jacket material

Please consult us



Overmoulding Description



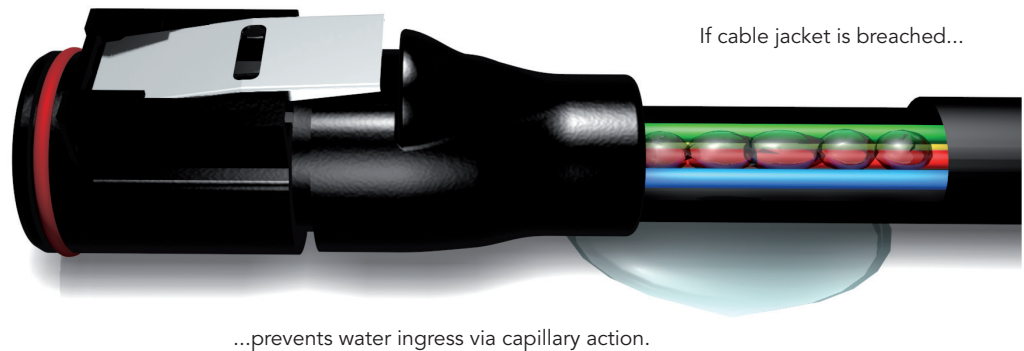
Connector with cable gland backshell

GOOD



Overmoulded connector

BEST





## UTL Overmoulded Cable Assembly (Continued)



### Description

#### Cable - 3 + ground

- Outer sheath: rubber compound EM2 in acc. to HD 22.1 that is VDE 0282 part 1
- Outer sheath color: black
- 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

#### Cable - 6 pos.

- Signal: 1 x 2 x 0.22 + shielding  
Power: 3G1.5
- Outer sheath: PUR RAL9005
- Outer sheath color: black
- Core section: 0.22 mm<sup>2</sup> and 1.5 mm<sup>2</sup>

## Specifications

PLATING	SALT SPRAY	DEGREE	WATERPROOF	COUPLING
No plating	≥1000 H	Up to + 60° C <sup>(1)</sup> with 103G1 Up to + 70° C <sup>(1)</sup> with 102G1W3	IP68/69K dynamic mated & unmated	1 000 matings/unmatings

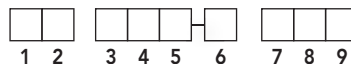
<sup>(1)</sup> See page 17 for more information

### Cable Information

<b>Rated voltage:</b>	U0/U: 450/750 V
<b>Wire section:</b>	3 + ground: 2.5 mm <sup>2</sup> 6 pos.: 1.5 mm <sup>2</sup> (power), 0.22 mm <sup>2</sup> (signal)
<b>Temperature:</b>	3 + ground: flexible use and fixed installation -25° C up to +60° C 6 pos.: flexible use -15° C up to +70° C, fixed installation -30° C up to +70° C
<b>Harmonized reference:</b>	3 + ground: H07 RNF 4G x 2.5 6 pos.: Not Applicable

### Standardization of European cable - DIN VDE 0281/DIN VDE 0282/DIN VDE 0292

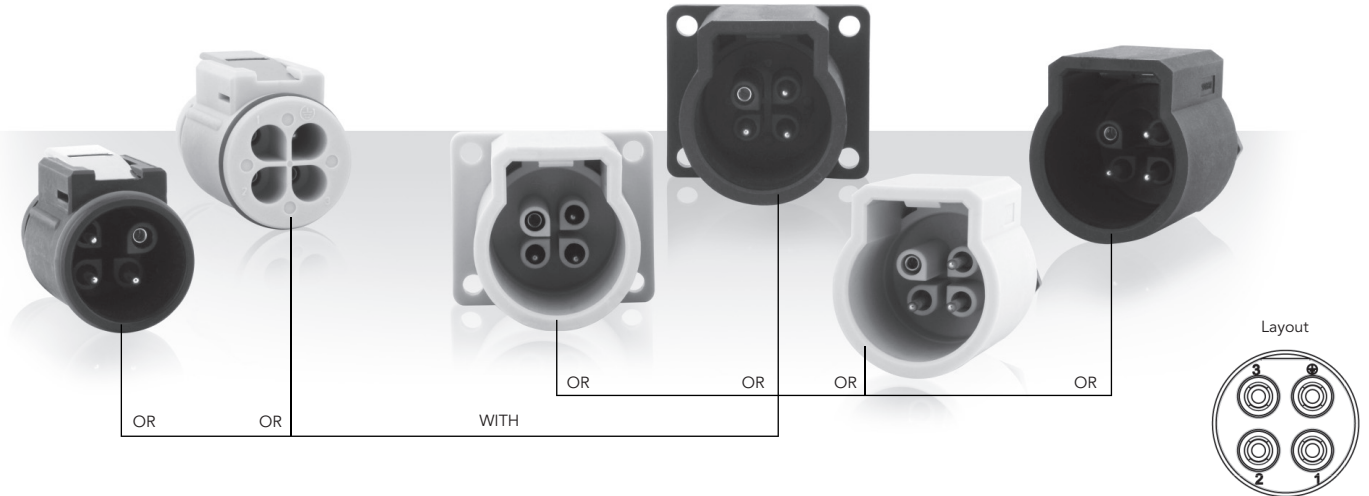
#### Harmonized wire coding system



1. Basic type	2. Working voltage	3. Insulating	4. Sheath-cladding material	5. Special features	6. Conductor types	7. Number of conductors	8. Protective conductor	9. Conductor cross-sectional
H: Harmonized Type	03: 300/300V	V: PVC	V: PVC	H: Ribbon cable, separable	U: Single wire		X: Without protective conductor	Area specified in mm <sup>2</sup>
A: National Type	05: 300/500V	R: Rubber	R: Rubber	H2: Ribbon cable non-separable	R: Multi-wire		G: With protective conductor	
	07: 450/750V	S: Silicone Rubber	N: Cloroprene Rubber		K: Fine wire (permanently installed)			
			J: Glass-filament braiding		F: Fine wire (flexible)			
			T: Textile braiding		H: Super fine wire			
					Y: Tinsel strand			

Example: Harmonized type, 450/750V, rubber insulating, Cloroprene rubber sheath-cladding, Fine wire, 3x1.5 cross-sectional: H07RNF3x1.5

### 103G1 (shell size 10, 3 + ground, 4x#16)



### Connector Part Number

Contact type	Connector type	Part number			
		Male insert		Female insert	
		Black color	Grey color	Black color	Grey color
Crimp contacts supplied separately see page 21	Square flange receptacle	UTL0103G1P	UTL0103G1P03	UTL0103G1S	UTL0103G1S03
	Plug	UTL6103G1P	UTL6103G1P03	UTL6103G1S	UTL6103G1S03
	Jam nut receptacle	UTL7103G1P	UTL7103G1P03	UTL7103G1S	UTL7103G1S03
	In line receptacle	UTL1103G1P	UTL1103G1P03	UTL1103G1S	UTL1103G1S03

### Overmoulded Cable Assembly Part Number

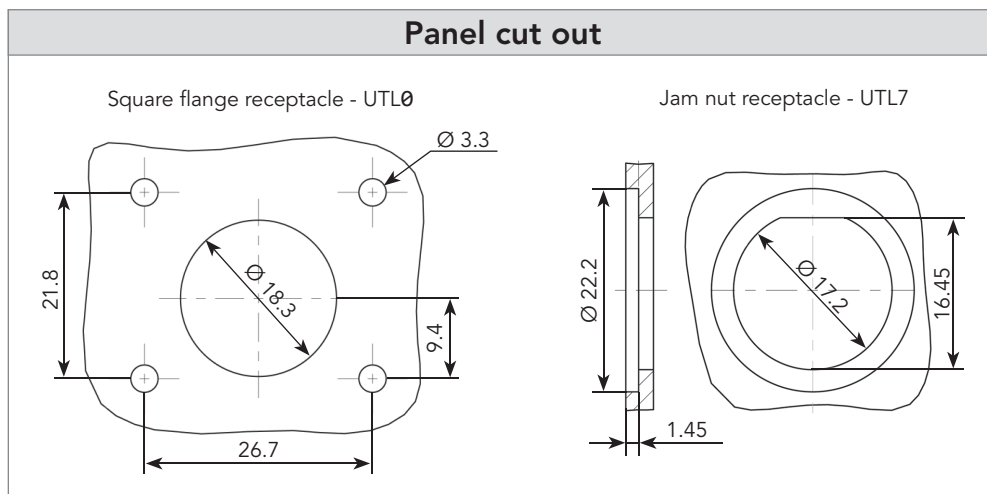
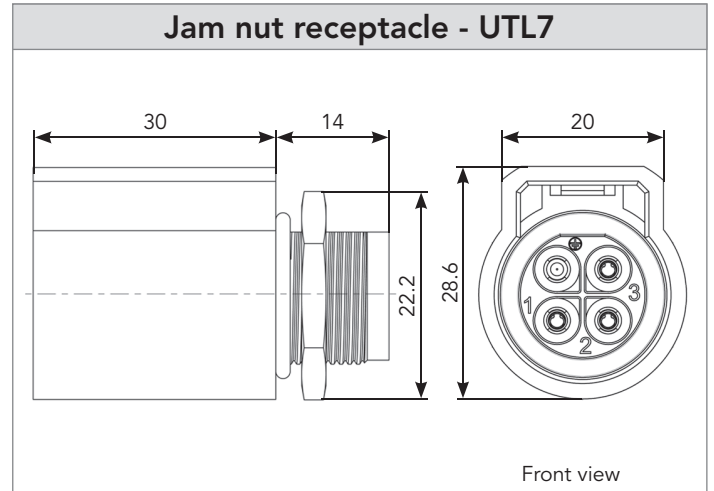
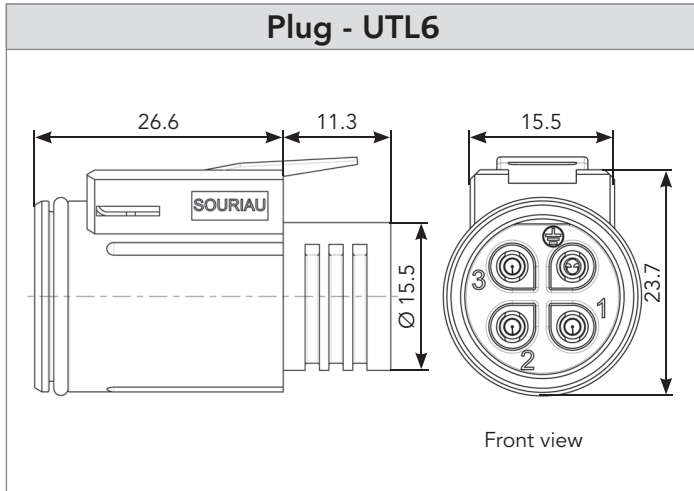
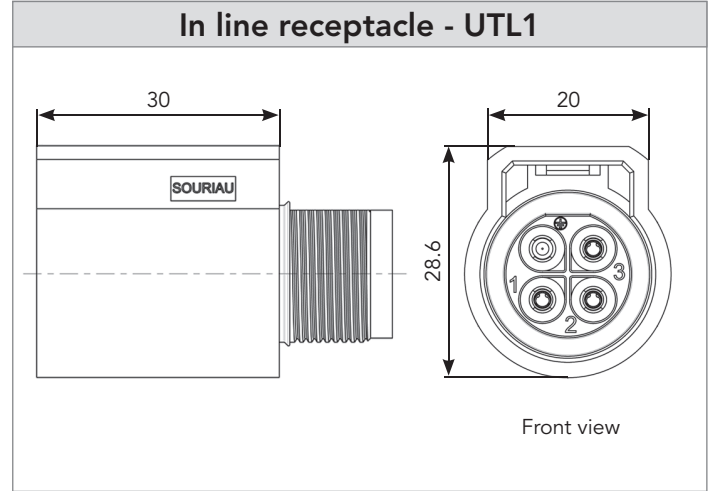
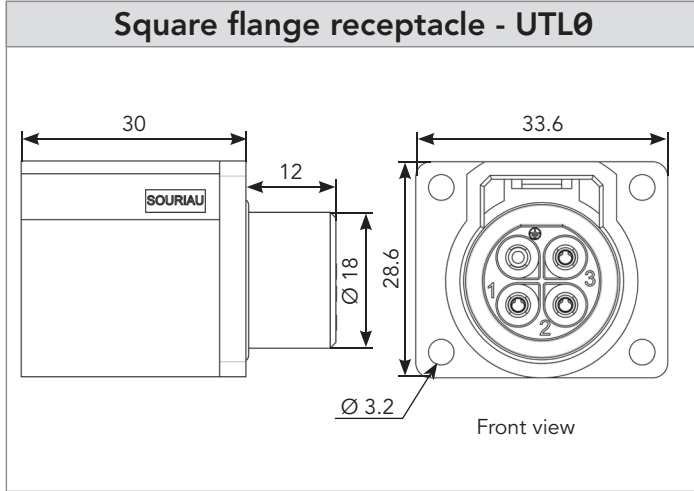
Layout	Description	Connector and Overmould type		Length*	
		Connector	Overmould type	1m	2m
103G1	In line	Male In line receptacle	Straight	HAUTL13G1PS1M	HAUTL13G1PS2M
		Male In line receptacle	Right angle	HAUTL13G1PR1M	HAUTL13G1PR2M
		Female In line receptacle	Straight	HAUTL13G1SS1M	HAUTL13G1SS2M
		Female In line receptacle	Right angle	HAUTL13G1SR1M	HAUTL13G1SR2M
	Plug	Male plug	Straight	HAUTL63G1PS1M	HAUTL63G1PS2M
		Male plug	Right angle	HAUTL63G1PR1M	HAUTL63G1PR2M
		Female plug	Straight	HAUTL63G1SS1M	HAUTL63G1SS2M
		Female plug	Right angle	HAUTL63G1SR1M	HAUTL63G1SR2M

\* : Other lengths consult us

Evaluation kit - See page 49

**103G1** (shell size 10, 3 + ground, 4x#16)

**Dimensions** (For mated connector lengths see page 44)




Note: all dimensions are in mm

# 103G1 (shell size 10, 3 + ground, 4x#16)

## Accessories and Tooling

**Dustcap for plug**

IP67



Part number  
UTL610DCG

**Dustcap for receptacle**

IP67



Part number  
UTL10DCG

**Handle (without head)**



Part number  
SHANDLES

**Tool kit**



Part number  
TOOLKIT

**Dustcap for male receptacle**

IP68/69K



Part number  
UTL103G1PDCG68

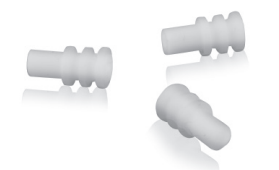
**Dustcap for female receptacle**

IP68/69K



Part number  
UTL103G1SDCG68

**Grommet**



Part number  
SWSFILLERPLUG

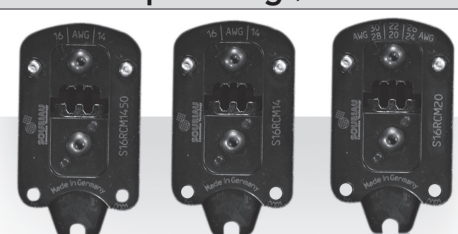
See instruction page 48

**Extraction Tool #16**



Part number  
RX2025GE1

**Head Crimp Tooling (without handles)**



Contacts	Contact size	Part number of head
RM/RC 28M1K <sup>(1)</sup>	Standard contacts #16 Ø 1.6mm	S16RCM20*
RM/RC 24M9K <sup>(1)</sup>		S16RCM20*
RM/RC 20M13K <sup>(1)</sup>		S16RCM20*
RM/RC 20M12K <sup>(1)</sup>		S16RCM20*
RM/RC 16M23K <sup>(1)</sup>		S16RCM16*
RM/RC 14M30K <sup>(1)</sup>		S16RCM14*
SM/SC 24ML1TK6 <sup>(1)</sup>		S16SCM20*
SM/SC 20ML1TK6 <sup>(1)</sup>		S16SCM20*
SM/SC 16ML1TK6 <sup>(1)</sup>		S16SCML1*
SM/SC 14ML1TK6 <sup>(1)</sup>		S16SCML1*
SM/SC 16ML11TK6 <sup>(1)</sup>		S16SCML11*
SM/SC 16M25K		S16RCM1625*
SM/SC 14M25K		S16RCM1425*
RMDXK10D28K		Coaxial contacts #16 Ø 1.6mm
RCDXK1D28K		
RM/RC DX60xxD28K		
RM/RC DXK10D28 + york090		
RM/RC DX60xxD28		

(1): Example of plating, for other plating options see page 30  
\* Heads to be used with handle PN: SHANDLES



# 103G1 (shell size 10, 3 + ground, 4x#16)

## Contacts

#16	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	30-28	RM28M1K <sup>(1)</sup>	RC28M1K <sup>(1)</sup>	0.55	1.00
		26-24	RM24M9K <sup>(1)</sup>	RC24M9K <sup>(1)</sup>	0.80	1.60
		22-20	RM20M13K <sup>(1)</sup>	RC20M13K <sup>(1)</sup>	1.15	1.80
		22-20	RM20M12K <sup>(1)</sup>	RC20M12K <sup>(1)</sup>	1.15	2.20
		20-16	RM16M23K <sup>(1)</sup>	RC16M23K <sup>(1)</sup>	1.80	3.20
		16-14	RM14M30K <sup>(1)</sup>	RC14M30K <sup>(1)</sup>	2.30	3.20
	Machined Sealed (with O-Ring for IP68/69K unmated)	20-16	RM16M25K	RC16M25K	1.80	3.20
		16-14	RM14M25K	RC14M25K	2.28	3.20
	Stamped & Formed Reeled Contacts <i>See note (2) for loose piece</i>	26-24	SM24M1TK6 <sup>(1)(2)</sup>	SC24M1TK6 <sup>(1)(2)</sup>	-	0.90-1.60
		22-20	SM20M1TK6 <sup>(1)(2)</sup>	SC20M1TK6 <sup>(1)(2)</sup>	-	1.20-2.10
		18-16	SM16M1TK6 <sup>(1)(2)</sup>	SC16M1TK6 <sup>(1)(2)</sup>	-	3.20
		18-16	SM16M11TK6 <sup>(1)(2)</sup>	SC16M11TK6 <sup>(1)(2)</sup>	-	3.00
		14	SM14M1TK6 <sup>(1)(2)</sup>	SC14M1TK6 <sup>(1)(2)</sup>	-	3.20
	Coaxial	Cable Multipiece	see pages 33, 66 to 67	RMDXK10D28	RCDXK1D28	-
Cable Monocrimp		RMDX60xxD28		RCDX60xxD28	-	-
Twisted pair Multipiece		RMDXK10D28 + york090		RCDXK1D28 + york090	-	-
Twisted pair Monocrimp		RMDX60xxD28		RCDX60xxD28	-	-

(1): Example of plating, for other plating options see page 30

(2): For loose piece contact packaging, place "L" in part number. Example: SM20ML1TK6

Note: all dimensions are in mm

### REMINDER

Plugs and receptacles have to be equipped with both contact genders.

EX: UTL6103G1P = 3 x SM16M1S31 + 1 x SC16M1S31

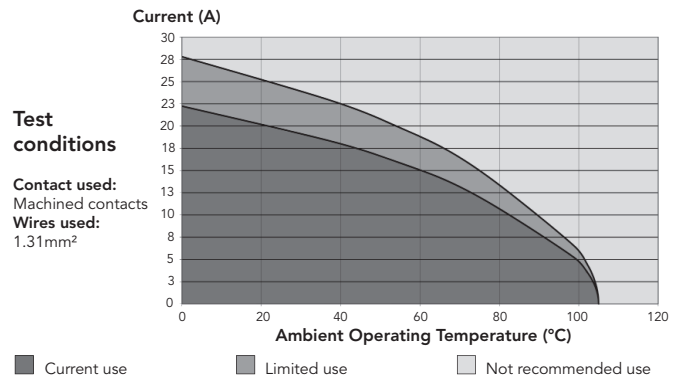
### Electrical characteristics

**UL**  
600V 16A UL94 5VA  
277V 13A for CBC use

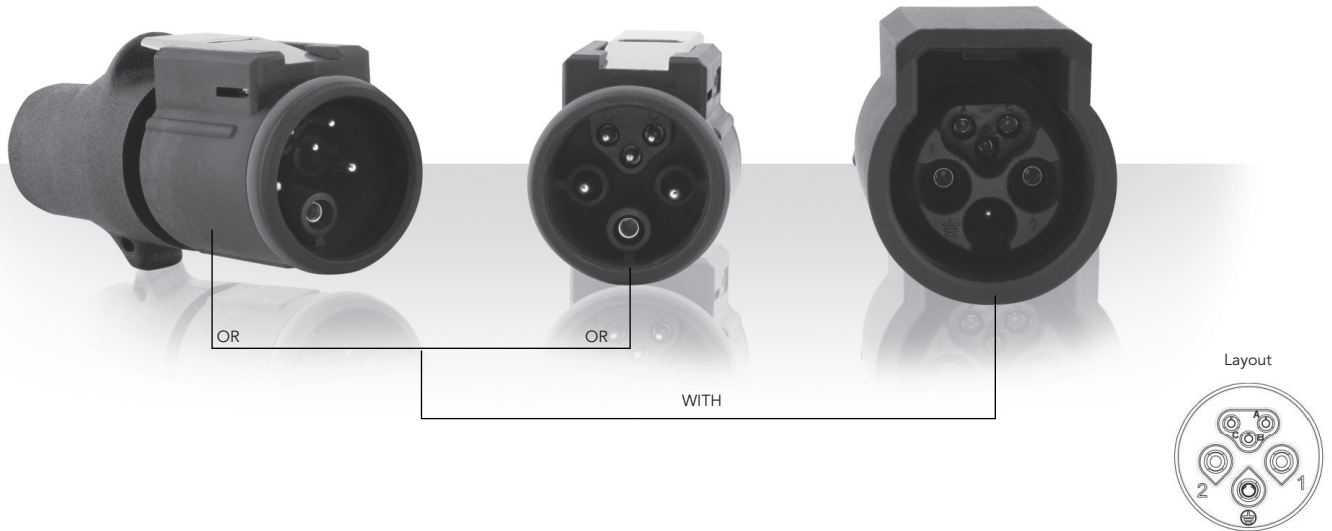
**CN**  
600V 13A  
277V 10A for CBC use

**IEC**  
16A 500V 6KV 4  
13A 250V 4KV 4 for CBC use

### UTL103G1 derating curves



**102G1W3** (shell size 10, 3x#16 + 3x#20)



**Connector Part Number**

Contact type	Connector type	Part number			
		Male insert		Female insert	
		Black color	Grey color	Black color	Grey color
Crimp contacts supplied separately see page 25	Plug	UTL6102G1W3P	UTL6102G1W3P03	UTL6102G1W3S	UTL6102G1W3S03
	Jam nut receptacle	UTL7102G1W3P	UTL7102G1W3P03	UTL7102G1W3S	UTL7102G1W3S03
	In line receptacle	UTL1102G1W3P	UTL1102G1W3P03	UTL1102G1W3S	UTL1102G1W3S03
-	Terminating resistance plug - 120Ω	UTL6102G1W3PCDMX	-	UTL6102G1W3SCDMX	-
	Terminating resistance receptacle - 120Ω	UTL1102G1W3PCDMX	-	UTL1102G1W3SCDMX	-

**Overmoulded Cable Assembly Part Number**

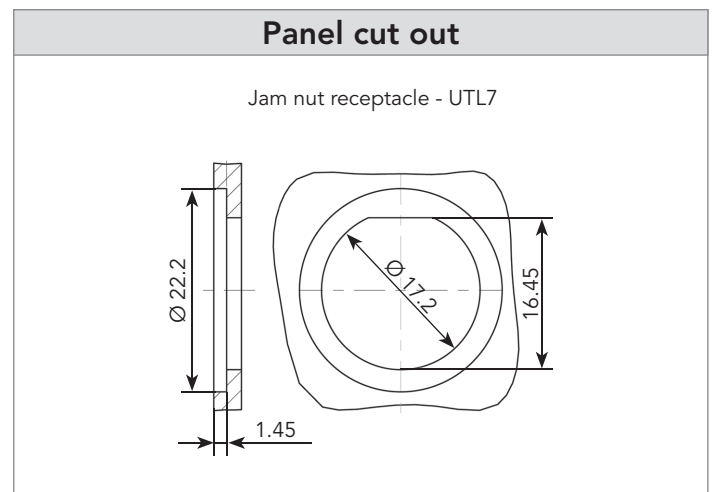
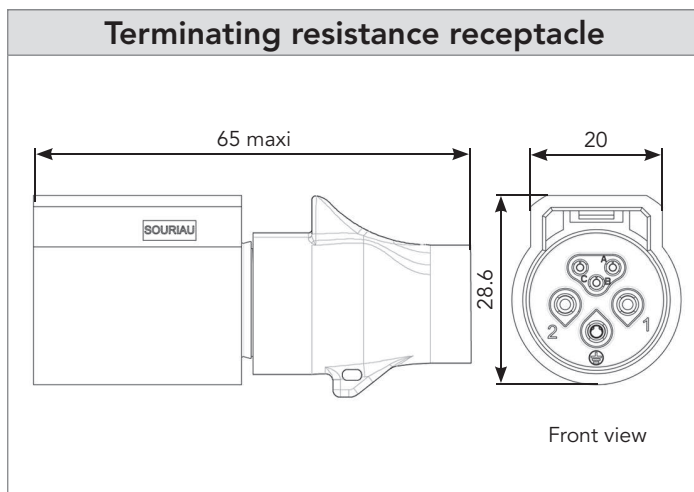
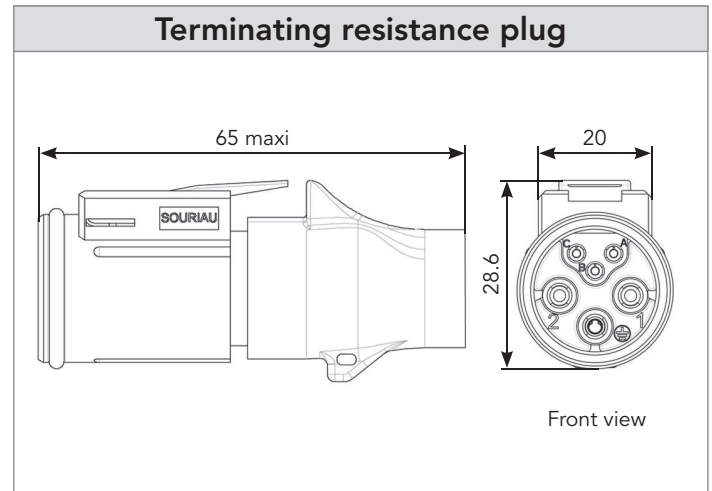
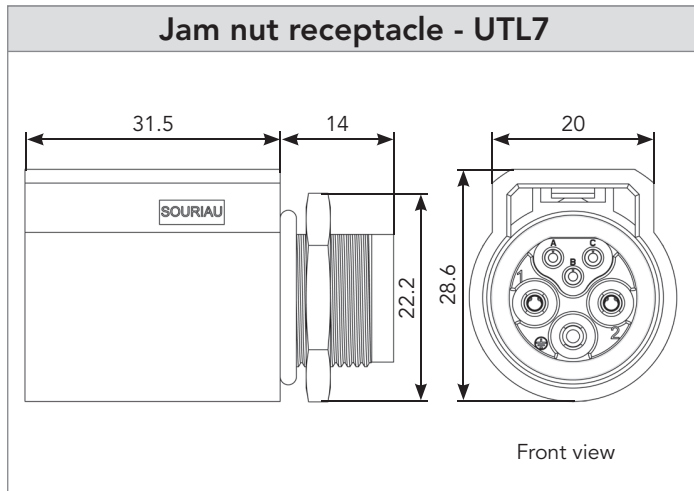
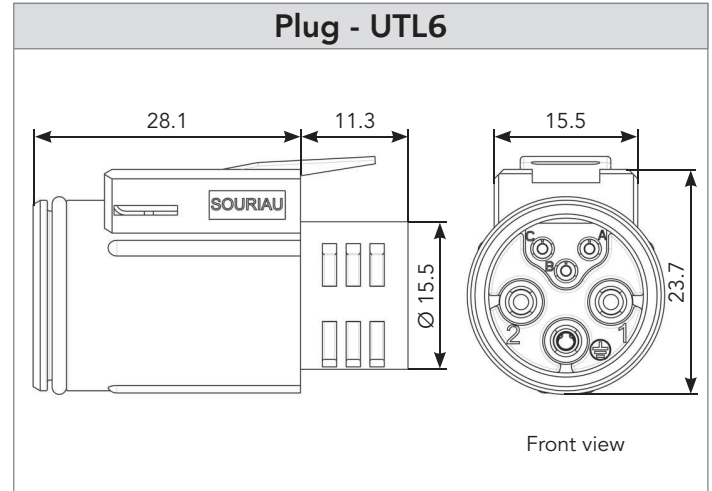
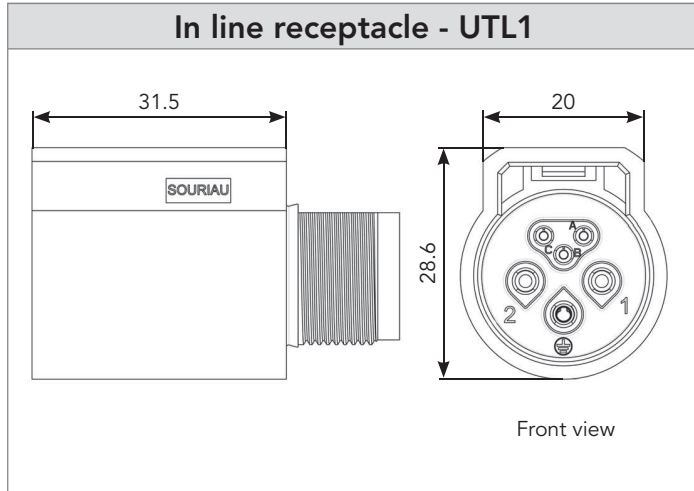
Layout	Description	Connector and Overmould type		Length*	
		Connector	Overmould type	1m	2m
102G1W3	In line	Male In line receptacle	Straight	HAUTL12G1W3PS1M	HAUTL12G1W3PS2M
		Male In line receptacle	Right angle	HAUTL12G1W3PR1M	HAUTL12G1W3PR2M
		Female In line receptacle	Straight	HAUTL12G1W3SS1M	HAUTL12G1W3SS2M
		Female In line receptacle	Right angle	HAUTL12G1W3SR1M	HAUTL12G1W3SR2M
	Plug	Male plug	Straight	HAUTL62G1W3PS1M	HAUTL62G1W3PS2M
		Male plug	Right angle	HAUTL62G1W3PR1M	HAUTL62G1W3PR2M
		Female plug	Straight	HAUTL62G1W3SS1M	HAUTL62G1W3SS2M
		Female plug	Right angle	HAUTL62G1W3SR1M	HAUTL62G1W3SR2M

\* : Other lengths consult us

**Evaluation kit - See page 50**

**102G1W3** (shell size 10, 3x#16 + 3x#20)

**Dimensions** (For mated connector lengths see page 44)



Note: all dimensions are in mm




# 102G1W3 (shell size 10, 3x#16 + 3x#20)

## Accessories and Tooling

**Dustcap for plug**

IP67



Part number  
UTL610DCG

**Dustcap for receptacle**

IP67




Part number  
UTL10DCG

**Handle (without head)**



Part number  
SHANDLES

**Tool kit**



Part number  
TOOLKIT

**Dustcap for male receptacle**

IP68/69K



Part number  
UTL102G1W3PDCG68

**Dustcap for female receptacle**

IP68/69K



Part number  
UTL102G1W3SDCG68

**Extraction Tool #16**



Part number  
RX2025GE1

**Extraction Tool #20**



Part number  
RX20D44

**Head Crimp Tooling (without shandles)**

Contacts	Contact size	Part number of head	
RM/RC 24W3K <sup>(1)</sup>	Standard contacts #20 Ø 1mm	S20RCM*	
RM/RC 20W3K <sup>(1)</sup>		S20RCM*	
RM/RC 18W3K <sup>(1)</sup>		S20RCM*	
SM/SC 24WL3 <sup>(1)(2)</sup>		S20SCM20*	
SM/SC 20WL3 <sup>(1)(2)</sup>		S20SCM20*	
RM/RC 28M1K <sup>(1)</sup>	Standard contacts #16 Ø 1.6mm	S16RCM20*	
RM/RC 24M9K <sup>(1)</sup>		S16RCM20*	
RM/RC 20M13K <sup>(1)</sup>		S16RCM20*	
RM/RC 20M12K <sup>(1)</sup>		S16RCM20*	
RM/RC 16M23K <sup>(1)</sup>		S16RCM16*	
RM/RC 14M30K <sup>(1)</sup>		S16RCM14*	
SM/SC 24ML1TK6 <sup>(1)</sup>		S16SCM20*	
SM/SC 20ML1TK6 <sup>(1)</sup>		S16SCM20*	
SM/SC 16ML1TK6 <sup>(1)</sup>		S16SCML1*	
SM/SC 14ML1TK6 <sup>(1)</sup>		S16SCML1*	
SM/SC 16ML11TK6 <sup>(1)</sup>		S16SCML11*	
SM/SC 16M25K		S16RCM1625*	
RMDXK10D28K		Coaxial contacts #16 Ø 1.6mm	M10S1J with die set & stop bushing see page 66 to 72
RCDXK1D28K			
RM/RC DX60xxD28K			
RM/RC DXK10D28 + york090			
RM/RC DX60xxD28			

(1): Example of plating, for other plating options see page 30  
 \* Heads to be used with handle PN: SHANDLES  
 (2): loose contact



102G1W3 (shell size 10, 3x#16 + 3x#20)

#20	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	26-24	RM24W3K <sup>(1)</sup>	RC24W3K <sup>(1)</sup>	0.80	1.60
		22-20	RM20W3K <sup>(1)</sup>	RC20W3K <sup>(1)</sup>	1.15	1.60
		20-18	RM18W3K <sup>(1)</sup>	RC18W3K <sup>(1)</sup>	1.30	2.10
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24W3TK6 <sup>(1)(2)</sup>	SC24W3TK6 <sup>(1)(2)</sup>	-	0.90-1.60
		26-24	SM24W3S26 <sup>(1)(2)</sup>	SC24W3S25 <sup>(1)(2)</sup>	-	0.90-1.60
		22-20	SM20W3TK6 <sup>(1)(2)</sup>	SC20W3TK6 <sup>(1)(2)</sup>	-	1.20-2.10
		22-20	SM20W3S26 <sup>(1)(2)</sup>	SC20W3S25 <sup>(1)(2)</sup>	-	1.20-2.10
	#16					
Crimp	Machined	30-28	RM28M1K <sup>(1)</sup>	RC28M1K <sup>(1)</sup>	0.55	1.00
		26-24	RM24M9K <sup>(1)</sup>	RC24M9K <sup>(1)</sup>	0.80	1.60
		22-20	RM20M13K <sup>(1)</sup>	RC20M13K <sup>(1)</sup>	1.15	1.80
		22-20	RM20M12K <sup>(1)</sup>	RC20M12K <sup>(1)</sup>	1.15	2.20
		20-16	RM16M23K <sup>(1)</sup>	RC16M23K <sup>(1)</sup>	1.80	3.20
		16-14	RM14M30K <sup>(1)</sup>	RC14M30K <sup>(1)</sup>	2.30	3.20
	Stamped & Formed Reeled Contacts See note (2) for loose piece	26-24	SM24M1TK6 <sup>(1)(2)</sup>	SC24M1TK6 <sup>(1)(2)</sup>	-	0.90-1.60
		22-20	SM20M1TK6 <sup>(1)(2)</sup>	SC20M1TK6 <sup>(1)(2)</sup>	-	1.20-2.10
		18-16	SM16M1TK6 <sup>(1)(2)</sup>	SC16M1TK6 <sup>(1)(2)</sup>	-	3.20
		18-16	SM16M11TK6 <sup>(1)(2)</sup>	SC16M11TK6 <sup>(1)(2)</sup>	-	3.00
		14	SM14M1TK6 <sup>(1)(2)</sup>	SC14M1TK6 <sup>(1)(2)</sup>	-	3.20
Coaxial	Cable Multipiece	see pages 33, 66 to 67	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp		RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece		RMDXK10D28 + york090	RCDXK1D28 + york090	-	-
	Twisted pair Monocrimp		RMDX60xxD28	RCDX60xxD28	-	-

(1): Example of plating, for other plating options see page 30

(2): For loose piece contact packaging, place "L" in part number. Example: SM20ML1TK6

Note: all dimensions are in mm

REMINDER

Plugs and receptacles have to be equipped with both contact genders.  
EX: UTL6102W3G1P = 2 x SM16M1TK6 + 1 x SC16M1TK6 + 3 x SM20W3TK6

Electrical characteristics

**UL**  
600V 16A UL94 5VA  
277V 13A for CBC use

**CN**  
600V 13A  
277V 10A for CBC use

**IEC**  
16A 500V 6KV 4  
13A 250V 4KV 4 for CBC use

UTL102G1W3 derating curves

