

147 - 14E7/14D7 (Shell size 14, 6 + ground, 7x#16)



Connector Part Numbers

Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 95	Square flange receptacle	Without (Fig. 2)	UTS0147P	UTS0147S
	Free hanging receptacle	Cable gland and grommet (Fig. 3)	UTS1GJC147P	-
	Free hanging receptacle	Nut and grommet (Fig. 4)	UTS1GN147P	-
	Free hanging receptacle	Cable gland (Fig. 3)	UTS1JC147P	UTS1JC147S
	Plug	Without (Fig. 5)	UTS6147P	UTS6147S
	Plug	Cable gland and grommet (Fig. 6)	-	UTS6GJC147S
	Plug	Nut and grommet (Fig. 7)	-	UTS6GN147S
	Plug	Cable gland (Fig. 6)	UTS6JC147P	UTS6JC147S
	Jam nut receptacle	Without (Fig. 8)	UTS7147P	UTS7147S
	Jam nut receptacle	Cable gland and grommet (Fig. 10)	UTS7GJC147P	-
	Jam nut receptacle	Nut and grommet (Fig. 9)	UTS7GN147P	-
PCB contacts loaded see page 95	Jam nut receptacle	With stand off and hold down clip (Fig. 11)	UTS7147PSEK9	-
Screw contacts loaded	Jam nut receptacle	Without (Fig. 8)	UTS7147PSCR	UTS7147SSCR
	Free hanging receptacle	Cable gland (Fig. 3)	UTS1JC147PSCR	-
	Plug	Cable gland (Fig. 6)	UTS6JC147PSCR	UTS6JC147SSCR
Hand solder electrical contacts loaded see page 95	Square flange receptacle	Without (Fig. 2)	UTS014E7P	UTS014E7S
	Plug	Cable gland (Fig. 6)	UTS6JC14E7P	UTS6JC14E7S
	Jam nut receptacle	Without (Fig. 8)	UTS714E7P	UTS714E7S
PCB contacts loaded see page 95	Square flange receptacle	Without (Fig. 1)	UTS014D7P	UTS014D7S
	Jam nut receptacle with stand off and hold down clips	Without (Fig. 11)	UTS714D7P32	UTS714D7S32
	Jam nut receptacle with stand off and without hold down clip	Without (Fig. 11)	UTS714D7P	UTS714D7S

Sealed unsealed

Overmoulded Cable Assembly Part Numbers

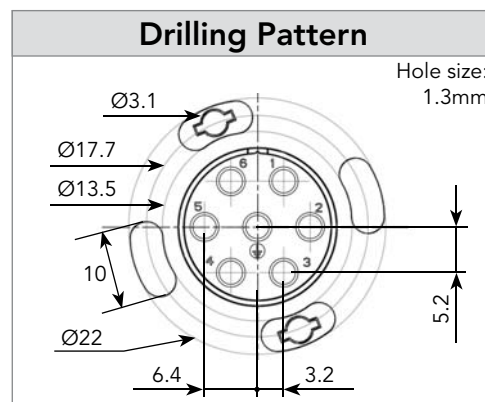
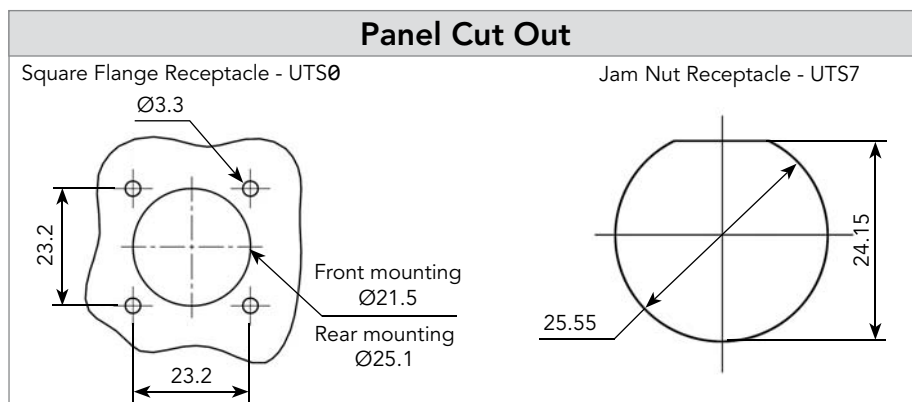
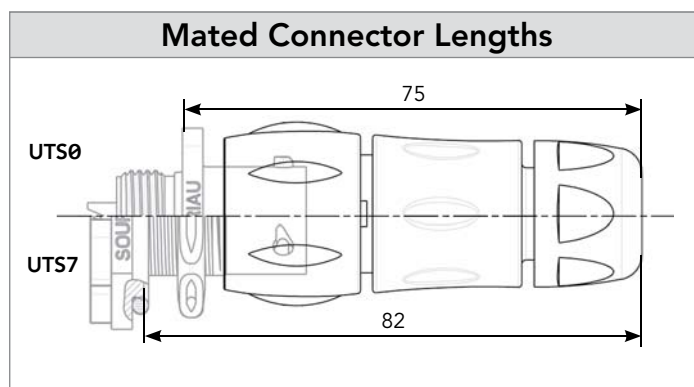
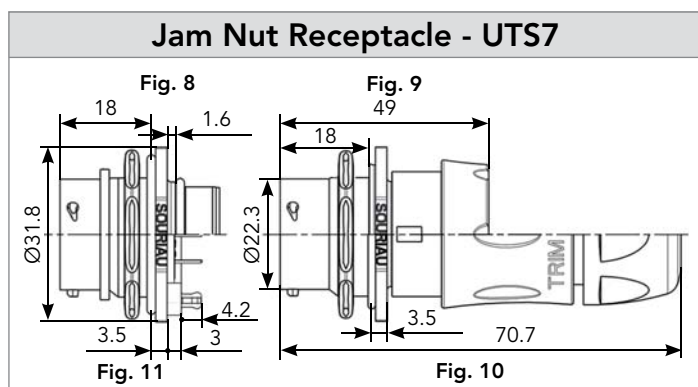
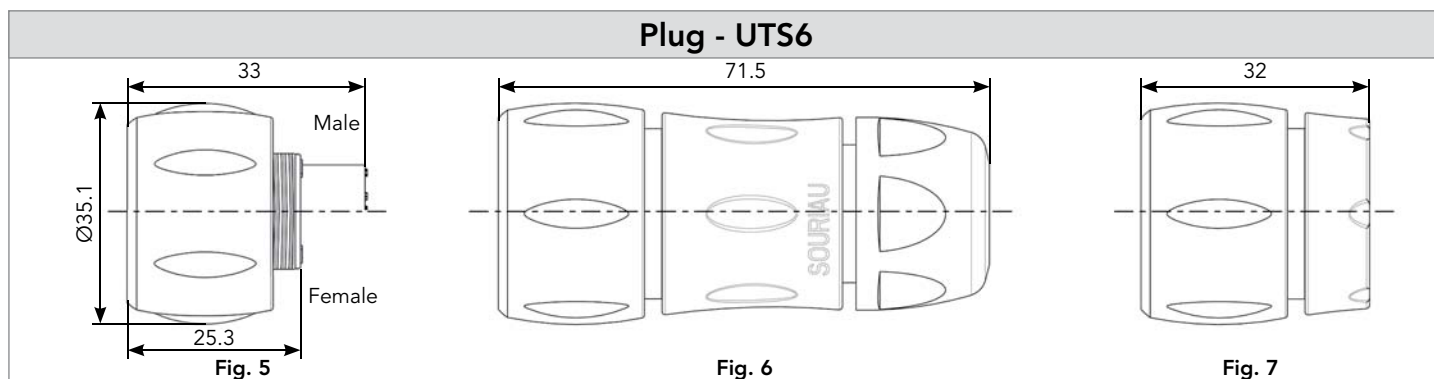
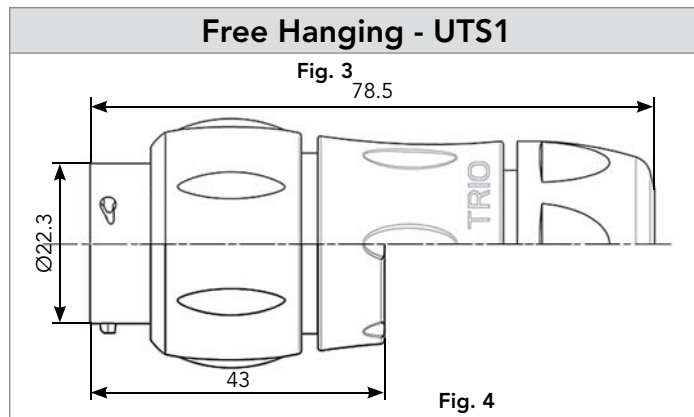
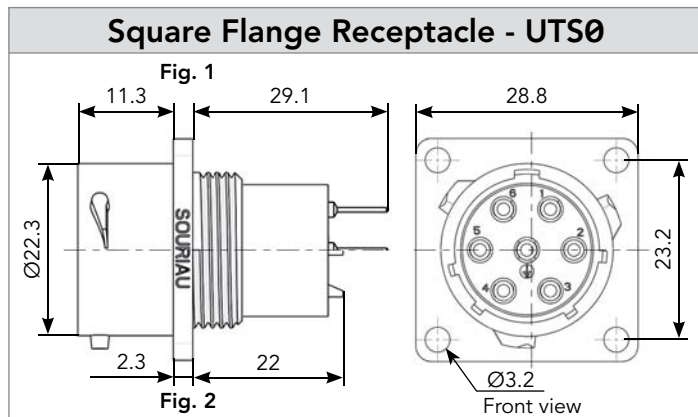
Overmoulding type	Connector type	Wire size (mm²)	Harmonized cable part number ⁽¹⁾	Part number (length: 1m.)*	
				Male plug	Female plug
Straight ending	Plug	1.5	H05 VV - F 7x1.5	HAUTS0V147PST100	HAUTS0V147SST100
				HAUTS0V14E7PST100	HAUTS0V14E7SST100
Right angle ending	Plug	1.5	H05 VV - F 7x1.5	HAUTS0V147PRA100	HAUTS0V147SRA100
				HAUTS0V14E7PRA100	HAUTS0V14E7SRA100

(1) Other cable available on demand

* Other lengths available on demand

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Dimensions



Note: Overmoulded cable assembly dimensions available page 179.

Note: all dimensions are in mm

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Accessories and Tooling

Jam Nut Sealing Caps



IP68/69K

Part number
UTS14DCG



IP68/69K

Metal terminal

Part number
UTS14DCGR

Handle (without Head)



Part number
SHANDLES

Tool Kit



Part number
TOOLKIT

Plug Sealing Cap



IP68/69K

Part number
UTS614DCG

Square Flange Sealing Cap



IP68/69K

Metal terminal

Part number
UTS14DCGE

Plastic Protective Cap



Part numbers

Receptacle cap
85005588A

Plug cap
85005597

Gasket



Part numbers

UTFD14B

Crimp Tooling (without Shandles)



Contacts	Contact size	Part number of head
RM/RC 28M1K ⁽¹⁾	Standard contacts #16 Ø 1.6mm	S16RCM20*
RM/RC 24M9K ⁽¹⁾		S16RCM20*
RM/RC 20M13K ⁽¹⁾		S16RCM20*
RM/RC 20M12K ⁽¹⁾		S16RCM20*
RM/RC 16M23K ⁽¹⁾		S16RCM16*
RM/RC 14M30K ⁽¹⁾		S16RCM14*
SM/SC 24ML1TK6 ⁽¹⁾		S16SCM20*
SM/SC 20ML1TK6 ⁽¹⁾		S16SCM20*
SM/SC 16ML1TK6 ⁽¹⁾		S16SCML1*
SM/SC 14ML1TK6 ⁽¹⁾		S16SCML1*
SM/SC 16ML11TK6 ⁽¹⁾		S16SCML11*
RMDXK10D28K	Coaxial contacts	M10S1J with die set & stop bushing see page 200 to 204
RCDXK1D28K		
RM/RC DX60xxD28K		
RM/RC DXK10D28 + yorK090		
RM/RC DX60xxD28		

(1): Example of plating, for other plating options see page 164

* Heads to be used with handle PN: SHANDLES

Color Coding Rings

G for Green



Y for Yellow



R for Red

Part numbers

Receptacles

Plugs

UTS714CCRR

UTS614CCRR

UTS714CCRY

UTS614CCRY

UTS714CCRG

UTS614CCRG



Handle



Head



Complete set

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Contacts

#16	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	30-28	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.55	1.00
		26-24	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.80	1.60
		22-20	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	1.15	1.80
		22-20	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	1.15	2.20
		20-16	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	1.80	3.20
		16-14	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	2.30	3.20
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	-	0.90-1.60
		22-20	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	-	1.20-2.10
		18-16	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	-	3.20
		18-16	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	-	3.00
		14	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	-	3.20
PCB	Machined ⁽³⁾	-	RM20M12E83K ⁽¹⁾	RC20M12E84K ⁽¹⁾	-	-
Coaxial	Cable Multipiece	see pages 167, 200 to 206	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp		RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece		RMDXK10D28 + york090	RCDXK1D28 + york090	-	-
	Twisted pair Monocrimp		RMDX60xxD28	RCDX60xxD28	-	-
Fiber optic	POF contacts (Plastic Optical Fiber)	-	RMPOF1000	RCPOF1000B	-	-
Hand-solder	Loaded in the connector	14-18	-	-	-	-

(1): Example of plating, for other plating see page 164 (2): Loose piece contact available if putting L. Example: SM20ML1TK6 (3): For dimensions see page 168 Note: all dimensions are in mm

6 +

Electrical Characteristics

UL
10A 500V UL94 V-0

CSA
7A 500V UL94 V-0

IEC
16A 300V 4kV 3
Temperature elevation: 50°C

UTS 147 - 14E7/14D7 Derating Curves

