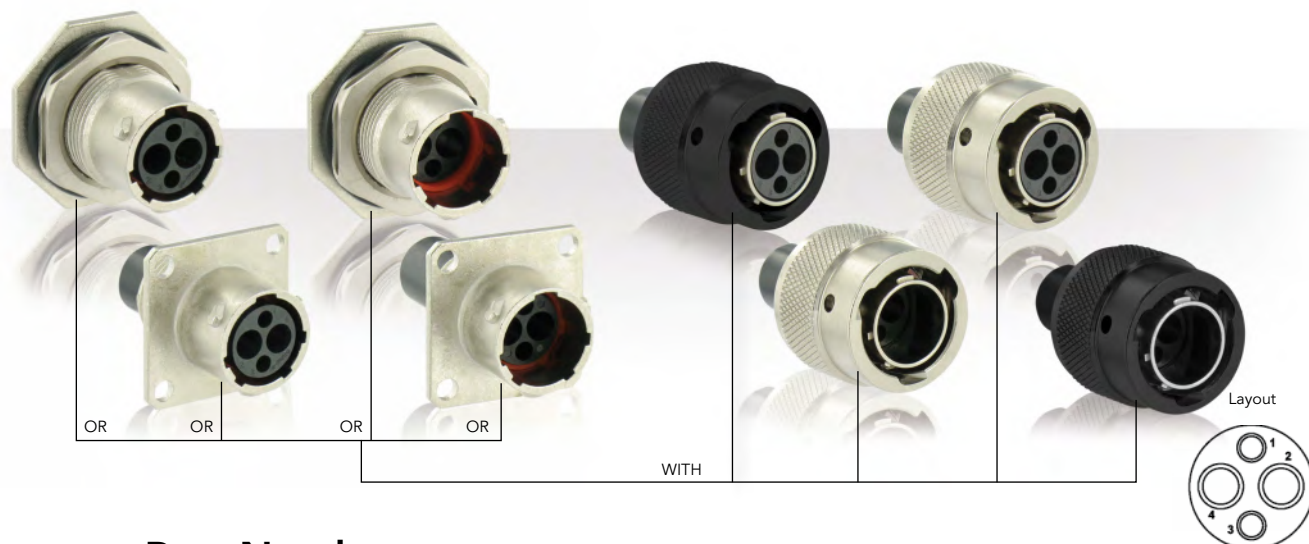


UTO Series Connector

102W2 (Shell size 10, 2x#12 + 2x#20)



Connector Part Numbers

Drilling pattern see page 176

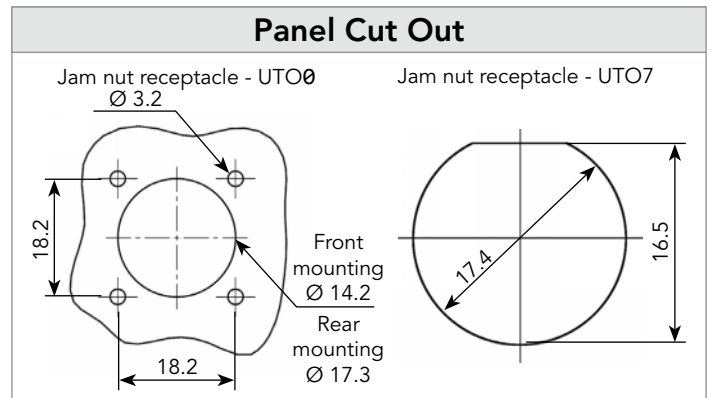
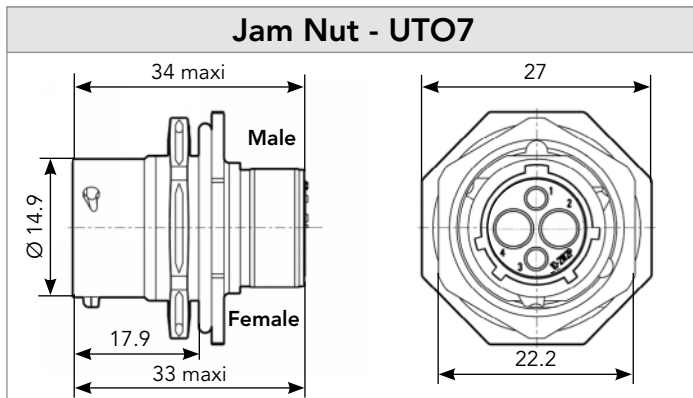
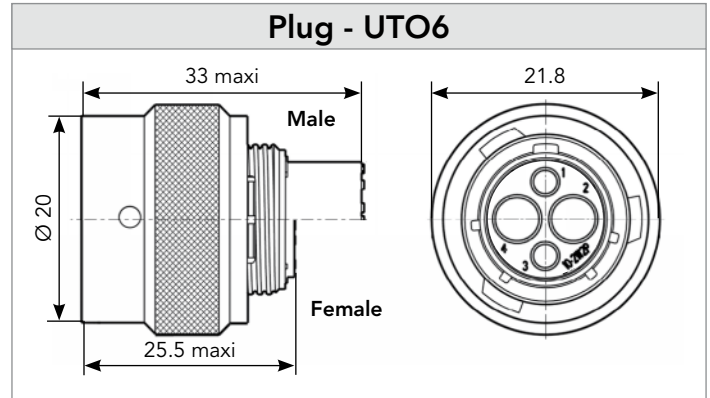
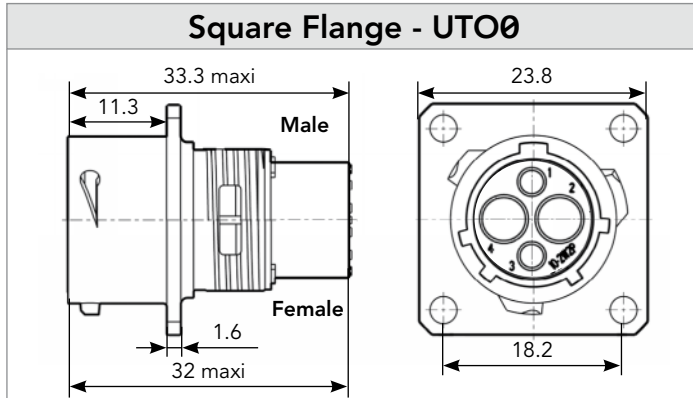
Contact type	Connector type	Sealing	Salt spray	Part number	
				Male insert	Female insert
Contacts supplied separately see page 35	Square flange receptacle	IP67	96h	UT00102W2PH	UT00102W2SH
		IP68 & IP69K	96h	UT00102W2PH6	UT00102W2SH6
	Plug	IP67, IP68 & IP69K	48h	UT06102W2PH	UT06102W2SH
		IP67, IP68 & IP69K	96h	UT06102W2PH02 (Black)	UT06102W2SH02 (Black)
	Jam nut receptacle	IP67	48h	UT07102W2PH	UT07102W2SH
		IP68 & IP69K	48h	UT07102W2PH6	UT07102W2SH6
		IP67	96h	UT07102W2PH01	UT07102W2SH01
		IP68 & IP69K	96h	UT07102W2PH601	UT07102W2SH601

Backshells

Backshell type	Shielding	Cable range (Ø mm) min/max	Part number	
			Short version	Long version
Cable gland with strain relief nut for water protected applications (IP68 & IP69K) (Fig.1)	-	3/6	UT010JCS	UT010JC
Cable gland with large strain relief nut for water protected applications (IP68 & IP69K) (Fig.2)	-	5/8	UT010JCSL	UT010JCL
Shielded cable gland with strain relief nut for water protected applications (IP68 & IP69K) (Fig.3)	✓	4/6.5	UT0S10JCS	UT0S10JC
Shielded cable gland with large strain relief nut for water protected applications (IP68 & IP69K) (Fig.4)	✓	5/8.5	UT0S10JCSL	UT0S10JCL
Metal cable clamp with strain relief (Fig.5)	-	5	UT010AC	
Metal shrink boot adaptor (Fig.6)	-	-	UT010AD	
Metal right angle cable clamp with strain relief nut (Fig.7)	-	4/10	UT010LPGN	
Shielded cable clamp with plastic strain relief nut (Fig.8)	✓	4/8.8	UT0S10JCPGN	
Cable clamp with plastic strain relief nut (Fig.8)	-	4/10	UT010JCPGN	

102W2 (Shell size 10, 2x#12 + 2x#20)

Dimensions



Backshells (for Mated Connector Length: See Page 153)

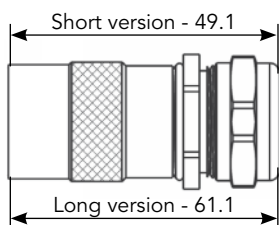


Fig. 1

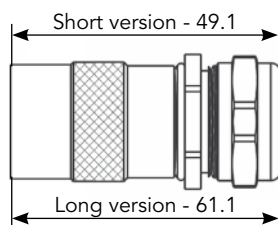


Fig. 2

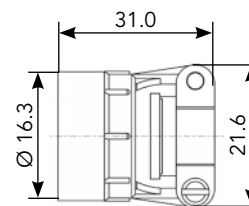


Fig. 5

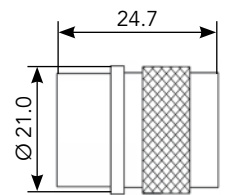


Fig. 6

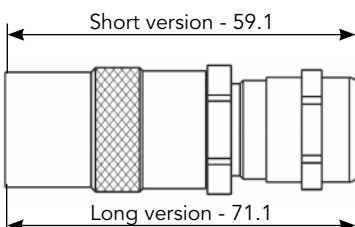


Fig. 3

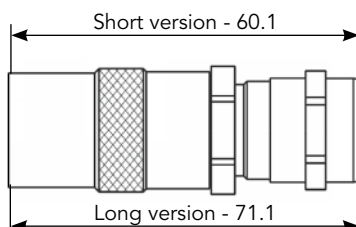


Fig. 4

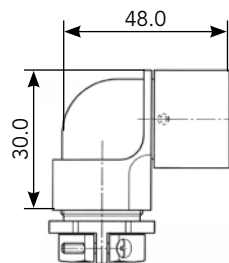


Fig. 7

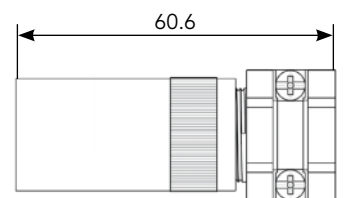


Fig. 8

Note: all dimensions are in mm

UTO Series Connector

102W2 (Shell size 10, 2x#12 + 2x#20)

Accessories and Tooling

Dustcap (Receptacle)



Part number
UT010DCG*

Dustcap (Plug)



Part number
UTG610DCG*

Gasket



Part number / Neoprene
UTFD12B

Crimp Tooling #12



Part number Hand Tool
M317



Part number
Positioner + Locator Setting
VGE10077A

Extraction Tooling #12



Part number
Extraction Tool
51060210924

Crimp Tooling #20



Part number
SHANGLES



Part number
TOOLKIT



Contacts	Contact size	Part number of head
RM/RC 24W3K ⁽¹⁾	Standard contacts #20 Ø 1mm	S20RCM*
RM/RC 20W3K ⁽¹⁾		S20RCM*
RM/RC 18W3K ⁽¹⁾		S20RCM*
SM/SC 24WL3 ⁽¹⁾⁽²⁾		S20SCM20*
SM/SC 20WL3 ⁽¹⁾⁽²⁾		S20SCM20*

(1): Example of plating, for other plating options see page 129
(2): loose contact
* Heads to be used with handle PN: SHANGLES



Handle + Head = Complete set

Extraction Tool #20



Part number
RX20D44

* For dustcap without chain, skip "G", e.g. UT010DC

102W2 (Shell size 10, 2x#12 + 2x#20)

Contacts

#20	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	26-24	RM24W3K	RC24W3K	0.80	1.60
		22-20	RM20W3K	RC20W3K	1.15	1.60
		20-18	RM18W3K	RC18W3K	1.30	2.10
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24W3TK6 ⁽¹⁾⁽²⁾	SC24W3TK6 ⁽¹⁾⁽²⁾	-	0.90-1.60
		26-24	SM24W3S26 ⁽¹⁾⁽²⁾	SC24W3S25 ⁽¹⁾⁽²⁾	-	0.90-1.60
		22-20	SM20W3TK6 ⁽¹⁾⁽²⁾	SC20W3TK6 ⁽¹⁾⁽²⁾	-	1.20-2.10
		22-20	SM20W3S26 ⁽¹⁾⁽²⁾	SC20W3S25 ⁽¹⁾⁽²⁾	-	1.20-2.10
PCB	Machined ⁽³⁾	-	RMW5016K	RCW5016K	-	-
#12						
Crimp	Machined	22	82911457NA	82911456A	0.87	4.90
		20	82911459NA	82911458A	1.12	
		18	82911461NA	82911460A	1.42	
		16	82911463NA	82911462A	1.72	
		14	82911465NA	82911464A	2.22	
		12	82911467NA	82911466A	2.82	

(1): Example of plating, for other plating options see page 129

(2): For loose piece contact packaging, place "L" in part number. Example: SM20WL3TK6 or SM24WL3S26

(3): For dimensions see page 132

Note: all dimensions are in mm

Electrical Characteristics

UL
20A 500V UL94 V-0

CSA
18A 500V UL94 V-0

IEC
25A 200V 3kV 3

UTO 102W2 Derating Curves

