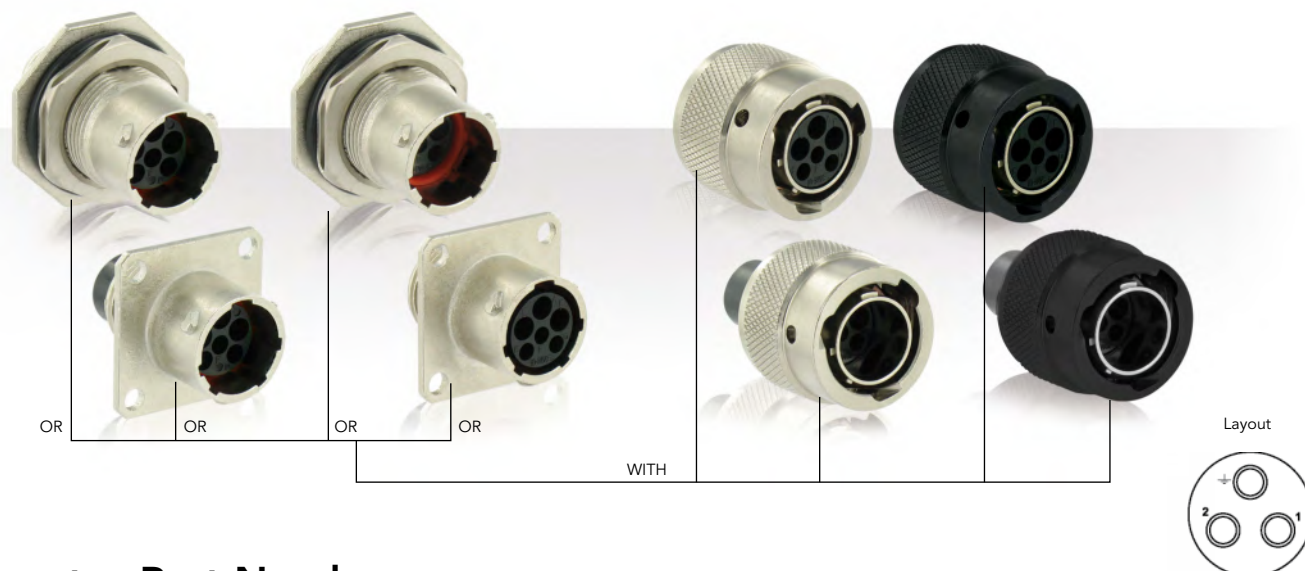


UTO Series Connector

103 (Shell size 10, 2 + ground, 3x#16)



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 23	Square flange receptacle	IP67	96h	UT00103PH	UT00103SH
		IP68 & IP69K	96h	UT00103PH6	UT00103SH6
	Plug	IP67, IP68 & IP69K	48h	UT06103PH	UT06103SH
		IP67, IP68 & IP69K	96h	UT06103PH02 (Black)	UT06103SH02 (Black)
	Jam nut receptacle	IP67	48h	UT07103PH	UT07103SH
		IP68 & IP69K	48h	UT07103PH6	UT07103SH6
		IP67	96h	UT07103PH01	UT07103SH01
		IP68 & IP69K	96h	UT07103PH601	UT07103SH601

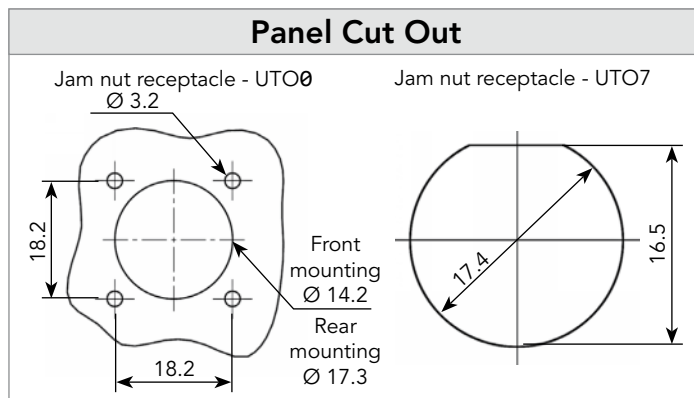
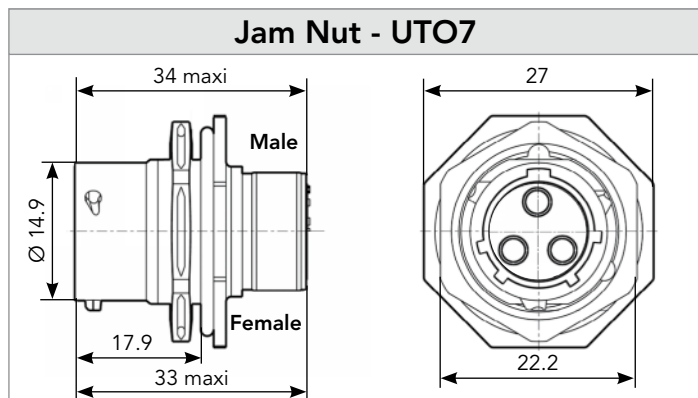
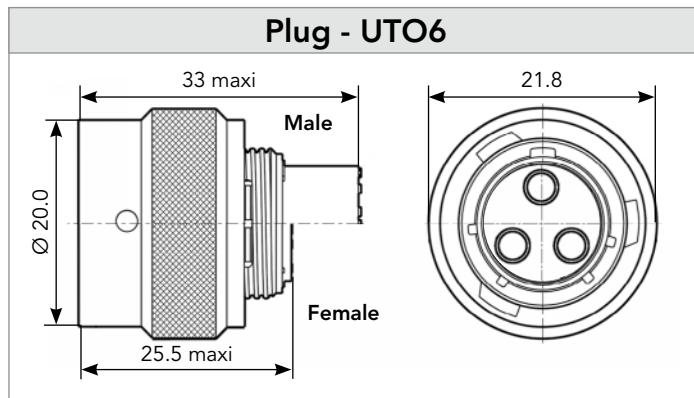
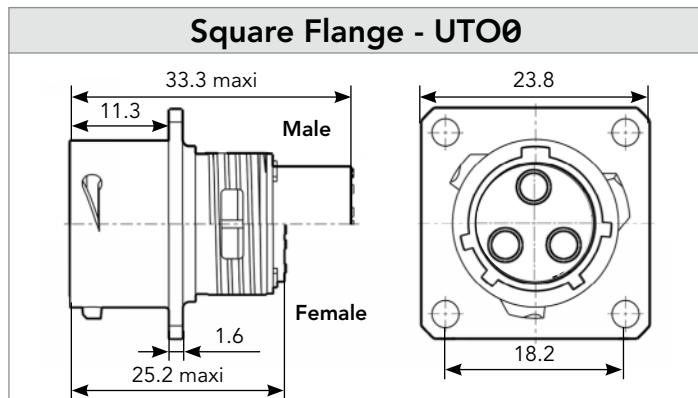
Backshells

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	

103 (Shell size 10, 2 + ground, 3x#16)

2 +
⏏

Dimensions



Backshells (for Mated Connector Length: See Page 153)

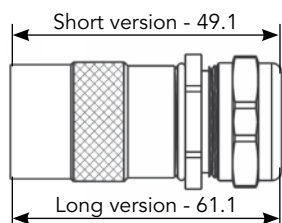


Fig. 1

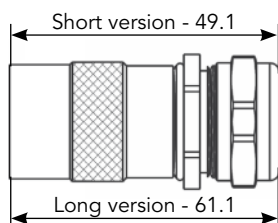


Fig. 2

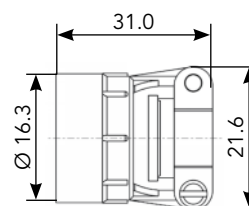


Fig. 5

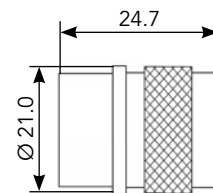


Fig. 6

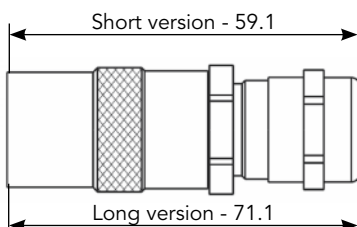


Fig. 3

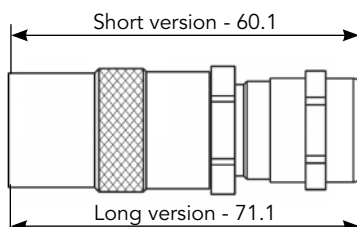


Fig. 4

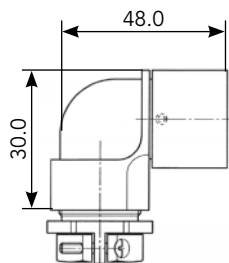


Fig. 7

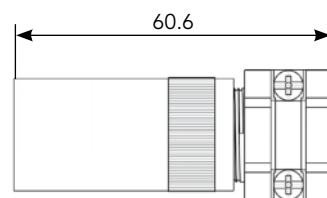


Fig. 8

Note: all dimensions are in mm

103 (Shell size 10, 2 + ground, 3x#16)

Accessories and Tooling

Dustcap (Receptacle)



Part number
UT010DCG*

Dustcap (Plug)



Part number
UTG610DCG*

Handle (without Head)



Part number
SHANGLES

Tool Kit



Part number
TOOLKIT

Gasket



Part number / Neoprene
UTFD12B

Dummy Contact #16



Part number / Polyamide 6.6
SMSPE0

See page 180 for more information

Extraction Tool #16



Part number
RX2025GE1

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 173 to 174
RCDXK1D28K		
RM/RC DX60xxD28K		
RM/RC DXK10D28 + yorK090		
RM/RC DX60xxD28		

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

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



103 (Shell size 10, 2 + ground, 3x#16)

2 +
⏏

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⁾	-	RM20M12E8K ⁽¹⁾	RC20M12E84K ⁽¹⁾	-	-
Coaxial	Cable Multipiece	see pages 131, 168 to 174	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 129

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

(3): For dimensions see page 132

Note: all dimensions are in mm

Electrical Characteristics

UL
10A 500V UL94 V-0

CSA
7A 500V UL94 V-0

IEC
16A 150V 2.5kV 3

UTO 103 Derating Curves

