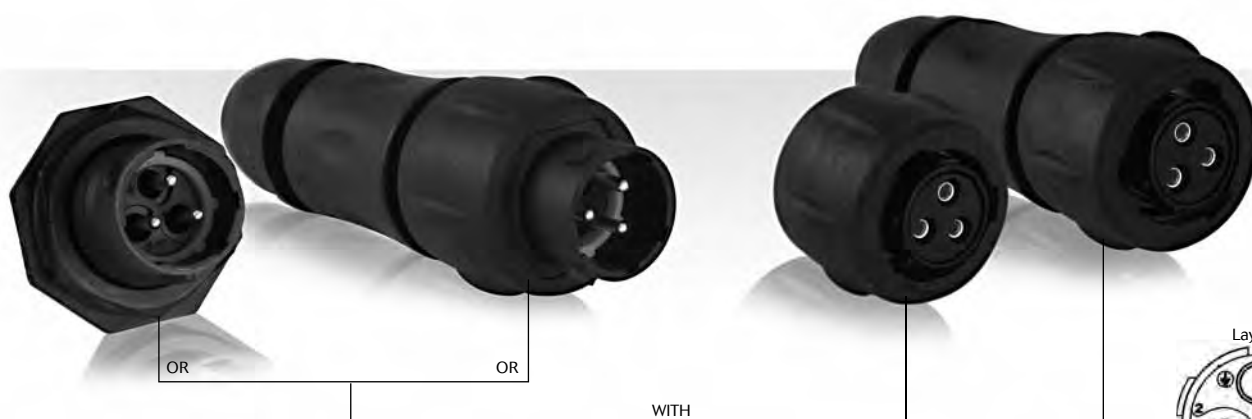
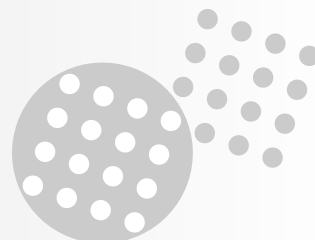


UTS Series

103



Specifications

Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supply separately see page 31	Free hanging receptacle	Cable gland (Fig.1)	UTS1JC103P	UTS1JC103S
	Plug	Without (Fig.2)	UTS6103P	UTS6103S
		Cable gland (Fig.3)	UTS6JC103P	UTS6JC103S
PCB contacts supply separately see page 31	Jam nut receptacle	Without (Fig.4)	UTS7103P	UTS7103S



Dimensions

Free hanging - UTS1

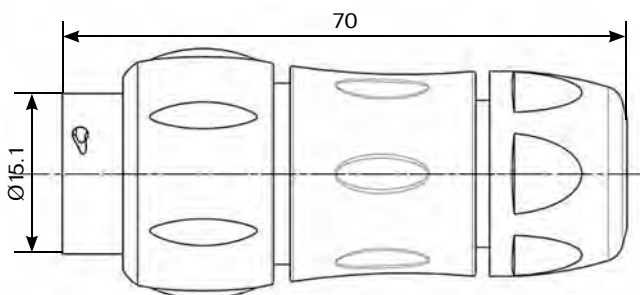


Fig. 1

Plug - UTS6

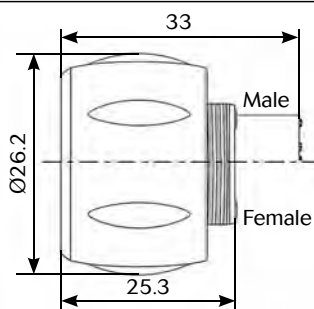


Fig. 2

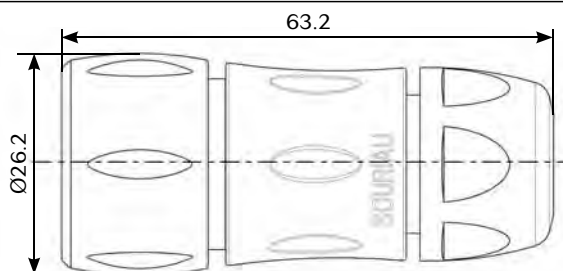


Fig. 3

Jam nut receptacle - UTS7

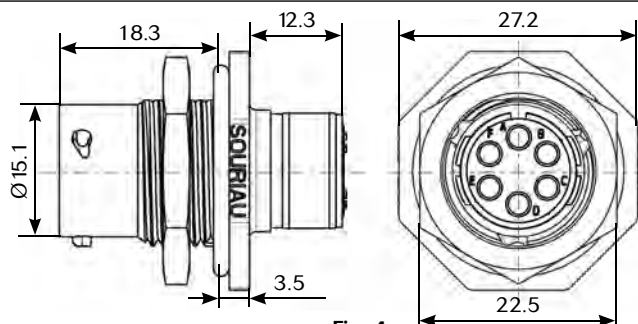
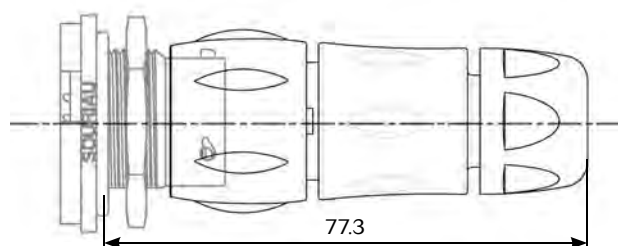


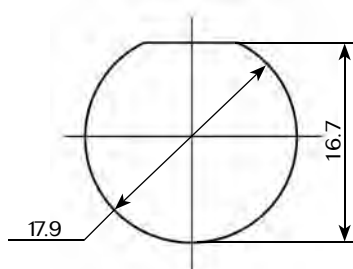
Fig. 4

Mated connector length - UTS7

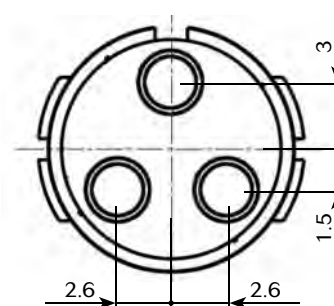


Panel cut out

Jam nut receptacle - UTS7



Drilling pattern



Note: all dimensions are in mm



Accessories and tooling

Jam nut sealing caps



Part number
UTS10DCG



Metal terminal

Part number
UTS10DCGR

Handle



Part number
SHANGLES

Tool kit



Part number
TOOLKIT

Plug sealing cap



Part number
UTS610DCG

Plastic protective cap



Part numbers	
Receptacle cap	Plug cap
85005586A	85005595

Gasket



Part numbers / neoprene
UTFD12B

Crimp tooling



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 14M50K ⁽¹⁾		S16RCM1450
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	M10S-1J
RCDXK1D28K		M10S-1J
RM/RC DX60xxD28K		M10S-1J
RM/RC DXK10D28 + york090		M10S-1J
RM/RC DX60xxD28		M10S-1J

(1): example of plating, for other plating see UTS catalog page 143

Color coding rings

G for Green



Y for Yellow

R for Red

Part numbers	
Receptacles	Plugs
UTS710CCRR	UTS610CCRR
UTS710CCRY	UTS610CCRY
UTS710CCRG	UTS610CCRG

* Add G for Green, Y for Yellow, R for Red



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	1.1
		26-24	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.8	1.6
		22-20	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	1.18	1.8
		22-20	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	1.18	2.2
		20-16	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	1.8	3.2
		16-14	RM14M50K ⁽¹⁾	RC14M50K ⁽¹⁾	2.05	3.2
		16-14	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	2.28	3.2
	Stamped & formed reeled contacts	26-24	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	0.89-1.28	-
		22-20	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	1.17-2.08	-
		18-16	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	3.0	-
		18-16	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	2.0-3.0	-
		14	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	3.2	-
PCB	Machined ⁽³⁾	-	RM20M12E8K ⁽¹⁾	RC20M12E84K ⁽¹⁾	-	-
Coaxial	Cable Multipiece	-	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp	-	RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece	-	RMDXK10D28 + york090	RCDXK1D28 + york090	-	-
	Twisted pair Monocrimp	-	RMDX60xxD28	RCDX60xxD28	-	-
Fiber optic	POF contacts Plastic optical fibre	-	RMPOF1000	RCPOF1000B	-	-

(1): Example of plating, for other plating see page 143

(2): Loose piece contact available if putting L. Example: SM20ML1-TK6

(3): For dimensions see page 148

Electrical characteristics

UL
10A 500V UL94 V-0

CSA
7A 500V UL94 V-0

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

UTS 103 derating curves

