

Connectors

1419 - 14E19/14D19 (Shell size 14, 19x#20)



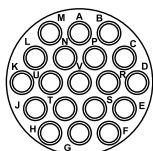
Connector part number

UTGX 1419

19 contacts + ground
4.5A/250V
per UL 1977
with AWG20 wire

14E19/14D19

19 contacts + ground
4A/250V
per UL 1977
with AWG20 wire



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 126	Square flange receptacle	Without (Fig. 1)	UTGX01419P	UTGX01419S
	Square flange receptacle	Cable gland (Fig. 2)	UTGX0JC1419P	UTGX0JC1419S
	Free hanging receptacle	Cable gland (Fig. 3)	UTGX1JC1419P	UTGX1JC1419S
	Plug	Without (Fig. 4)	UTGX61419P	UTGX61419S
		Cable gland (Fig. 5)	UTGX6JC1419P	UTGX6JC1419S
PCB contacts supplied separately see page 126	Jam nut receptacle	Without (Fig. 6)	UTGX71419P	UTGX71419S
	Square flange receptacle	Without (Fig. 1)	UTGX01419P	UTGX01419S
	Square flange receptacle	Without (Fig. 1)	UTGX014E19P	UTGX014E19S
	Plug	Without (Fig. 4)	UTGX614E19P	UTGX614E19S
		Cable gland (Fig. 5)	UTGX6JC14E19P	UTGX6JC14E19S
Handsolder electrical contacts loaded see page 126	Jam nut receptacle	Without (Fig. 6)	UTGX714E19P	UTGX714E19S
	Square flange receptacle	Without (Fig. 3)	UTGX014D19P	UTGX014D19S
	Jam nut receptacle with stand off and without hold down clip	Without (Fig.7)	UTGX714D19P	UTGX714D19S
	Jam nut receptacle with stand off and with hold down clips	Without (Fig. 8)	UTGX714D19P32	UTGX714D19S32
PCB contacts loaded	Square flange receptacle	Without (Fig. 3)	UTGX014D19P	UTGX014D19S
	Jam nut receptacle with stand off and without hold down clip	Without (Fig.7)	UTGX714D19P	UTGX714D19S
	Jam nut receptacle with stand off and with hold down clips	Without (Fig. 8)	UTGX714D19P32	UTGX714D19S32

For discrimination/keying methods see page 154

Sealed unmated

Overmoulded cable assembly part numbers

Overmoulding type	Connector type	Wire size (mm²)	Harmonized cable part number ⁽¹⁾	Part number (length: 1 m.)*	
				Male plug	Female plug
Straight ending	Plug	1.5	H05 VV - F 7x1.5	HAUTGX1419PST1M	HAUTGX1419SST1M
				HAUTGX14E19PRA1M	HAUTGX14E19SRA1M
Right angle ending	Plug	1.5	H05 VV - F 7x1.5	HAUTGX1419PRA1M	HAUTGX1419SRA1M
				HAUTGX14E19PRA1M	HAUTGX14E19SRA1M

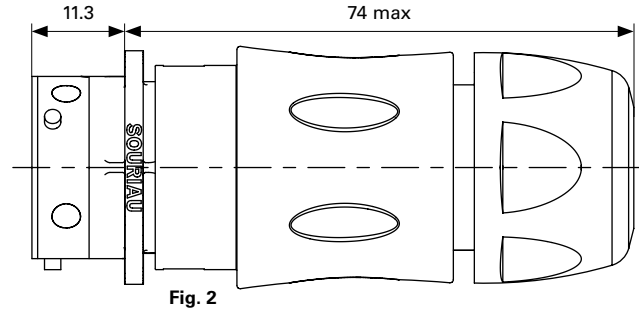
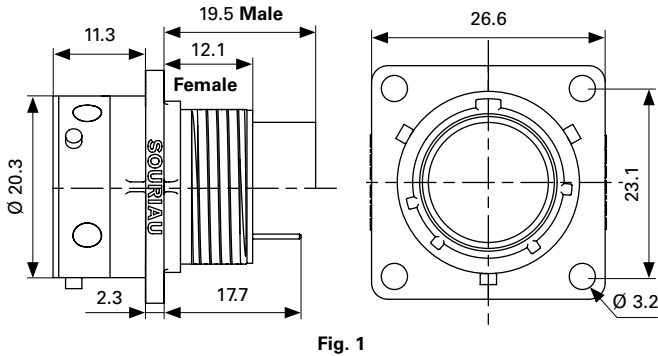
(1) Other cable available on demand

* Other lengths available on demand

Note: Overmoulded cable assembly dimensions available page 145

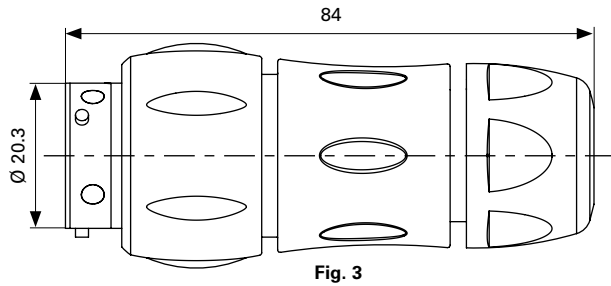
Dimensions in mm (For mated connector lengths see page 145)

Square flange receptacle - UTGX0 and UTGX0JC



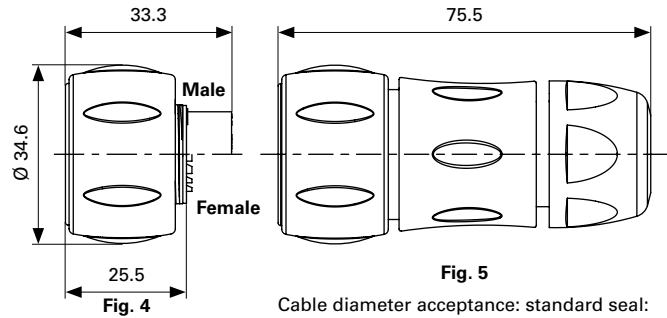
Cable diameter acceptance: standard seal:
from 7 mm to 14 mm, reduced seal: from 5 mm to 12 mm

Free hanging - UTGX1JC



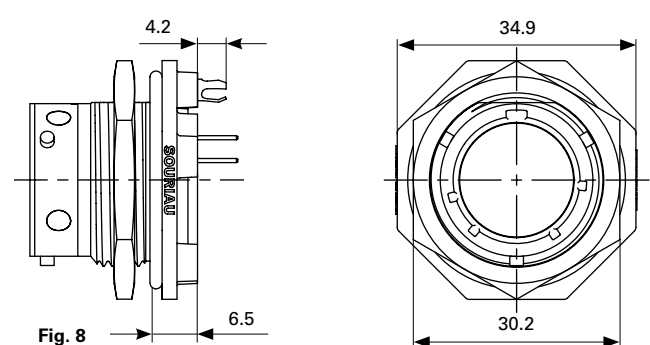
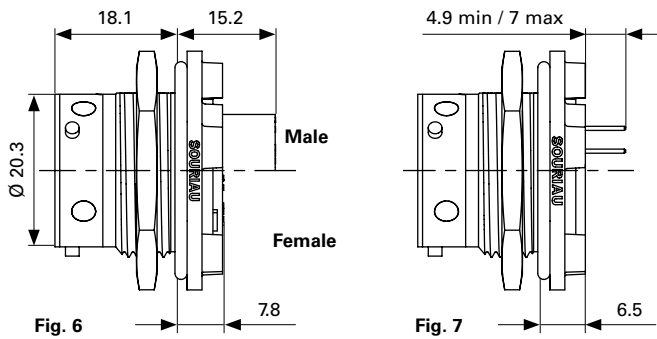
Cable diameter acceptance: standard seal:
from 7 mm to 14 mm, reduced seal: from 5 mm to 12 mm

Plug - UTGX6 & UTGX6JC



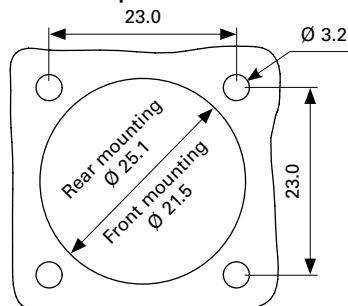
Cable diameter acceptance: standard seal:
from 7 mm to 14 mm,
reduced seal: from 5 mm to 12 mm

Jam nut receptacle UTGX7

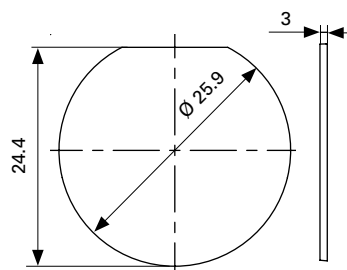


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Connectors

1419 - 14E19/14D19 (Shell size 14, 19x#20)

Accessories

Jam nut & free hanging receptacle sealing caps



Description	Part number
IP68/69K	UTGX14DCG
IP68/69K - Metal terminal	UTGX14DCGR

Square flange sealing cap



Description	Part number
IP68/69K - Metal terminal	UTGX14DCGE

Plug sealing cap



Description	Part number
IP68/69K	UTS614DCG133

Plastic protective cap



Part number receptacle cap	Part number plug cap
85005588A	85005597

Gasket



Part number
UTFD14B

Color coding rings



Description	Part number receptacles	Part number plugs
G for Green	UTGX714CCRG	UTGX614CCRG
Y for Yellow	UTGX714CCRY	UTGX614CCRY
R for Red	UTGX714CCRR	UTGX614CCRR

1419 - 14E19/14D19 (Shell size 14, 19x#20)

Tooling

Tooling



Description	Part number
Handle (without head)	Shandles
Box containing handle and several crimp tooling	Toolkit

Crimp tooling (without Shandles)

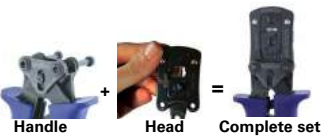


Contact size	Contacts	Part number of Head
Standard contacts #20 Ø 1 mm	RM/RC 24W3K ⁽¹⁾	S20RCM*
	RM/RC 20W3K ⁽¹⁾	S20RCM*
	RM/RC 18W3K ⁽¹⁾	S20RCM*
	SM/SC 24WL3 ⁽¹⁾⁽²⁾	S20SCM20*
	SM/SC 20WL3 ⁽¹⁾⁽²⁾	S20SCM20*

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

(2): Loose contact

* Heads to be used with handle PN: SHANDLES



Extraction tool #20



Description	Part number
Contacts #20	RX20D44

Connectors

1419 - 14E19/14D19 (Shell size 14, 19x#20)

Contacts #20

Contact style	Contact type	Cable acceptance (AWG)	Cable acceptance (mm ²)	Part number Male	Part number Female	Max wire Ø (mm)	Max insulator Ø (mm)
Crimp contacts	Machined	26-24	0.13-0.25	RM24W3K	RC24W3K	0.80	1.58
		20-20	0.32-0.52	RM20W3K	RC20W3K	1.15	1.80
		20-18	0.52-0.80	RM18W3K	RC18W3K	1.30	2.10
	Stamped & Formed reeled contacts See note ⁽²⁾ for loose piece	26-24	0.13-0.25	SM24W3TK6 ⁽¹⁾⁽²⁾	SC24W3TK6 ⁽¹⁾⁽²⁾	—	0.90-1.58
		26-24	0.13-0.25	SM24W3S26 ⁽¹⁾⁽²⁾	SC24W3S25 ⁽¹⁾⁽²⁾	—	0.90-1.58
		20-20	0.32-0.52	SM20W3TK6 ⁽¹⁾⁽²⁾	SC20W3TK6 ⁽¹⁾⁽²⁾	—	1.20-2.10
		20-20	0.32-0.52	SM20W3S26 ⁽¹⁾⁽²⁾	SC20W3S25 ⁽¹⁾⁽²⁾	—	1.20-2.10
PCB	Machined ⁽³⁾	—	—	RMW5016K	RCW5016K	—	—

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

(2): Loose piece contact available by adding "L" after the "M" for the contact size and the plating. Example: SM20W3TK6 becomes SM20WL3TK6

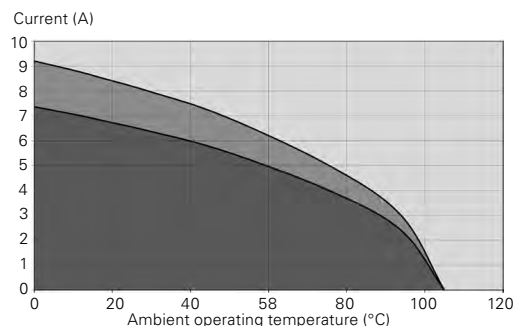
(3): for dimensions see pages 136 or 137

Contact style	Contact type	Plating	Cable acceptance (AWG)	Wire stripping length (mm)
Hand solder	Loaded in the connector	Min 0.4µ gold over 0.8µ Ni	20 to 18	3.8

Electrical characteristics

UL	CSA	IEC
UTGX 1419		
4.5A 250V with AWG20 wire UL94 V-0	3A 250V with AWG20 wire UL94 V-0	5A 32V 1.5kV 3
UTGX 14E19/14D19		
4A 250V with AWG20 wire UL94 HB	4A 250V with AWG20 wire UL94 HB	5A 32V 1.5kV 3

UTGX 1419 - 14E19/14D19 derating curves



- Current use
- Limited use
- Not recommended use

Test conditions

Contact used: machined contacts

Wires used: 0.518 mm²

Derating curves based on continuous current application.