

Connectors

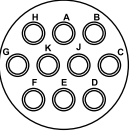
1210 - 12E10/12D10 (Shell size 12, 10x#20)



Connector part number

UTGX 1210 - 12E10/12D10

10 contacts
4.5A/250V
per UL 1977
with AWG20 wire



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 95	Square flange receptacle	Without (Fig. 1)	UTGX01210P	UTGX01210S
	Square flange receptacle	Cable gland (Fig. 2)	UTGX0JC1210P	UTGX0JC1210S
	Free hanging receptacle	Cable gland (Fig. 3)	UTGX1JC1210P	UTGX1JC1210S
	Plug	Without (Fig. 4)	UTGX61210P	UTGX61210S
		Cable gland (Fig. 5)	UTGX6JC1210P	UTGX6JC1210S
Jam nut receptacle		Without (Fig. 6)	UTGX71210P	UTGX71210S
	Square flange receptacle	Without (Fig. 1)	UTGX012E10P	UTGX012E10S
	Plug	Without (Fig. 4)	UTGX612E10P	UTGX612E10S
		Cable gland (Fig. 5)	UTGX6JC12E10P	UTGX6JC12E10S
	Jam nut receptacle	Without (Fig. 6)	UTGX712E10P	UTGX712E10S
PCB contacts loaded	Square flange receptacle	Without (Fig. 3)	UTGX012D10P	UTGX012D10S
	Jam nut receptacle with stand off and without hold down clip	Without (Fig.7)	UTGX712D10P	UTGX712D10S
	Jam nut receptacle with stand off and with hold down clips	Without (Fig. 8)	UTGX712D10P32	UTGX712D10S32

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	0.5	H05 VV - F 10x0.5	HAUTGX1210PST1M	HAUTGX1210SST1M
				HAUTGX12E10PRA1M	HAUTGX12E10SRA1M
Right angle ending	Plug	0.5	H05 VV - F 10x0.5	HAUTGX1210PRA1M	HAUTGX1210SRA1M
				HAUTGX12E10PRA1M	HAUTGX12E10SRA1M

(1) Other cable available on demand

* Other lengths available on demand

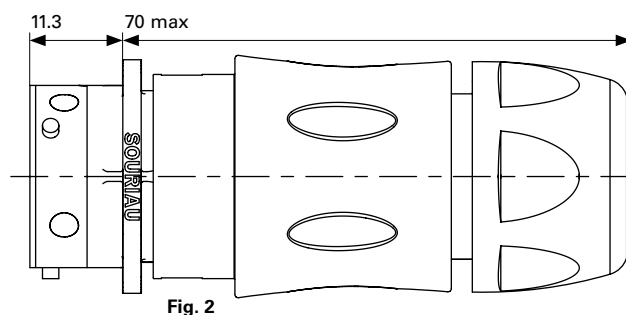
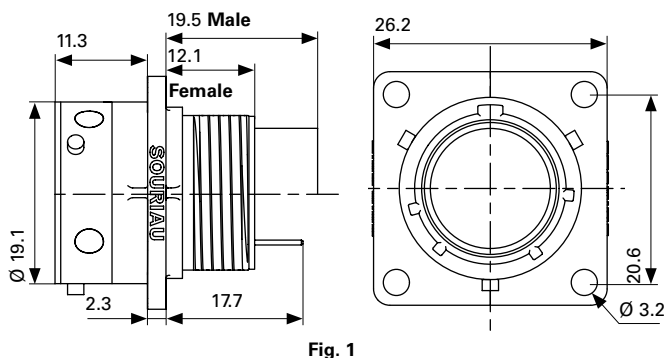
Note: Overmoulded cable assembly dimensions available page 145

Connectors

1210 - 12E10/12D10 (Shell size 12, 10x#20)

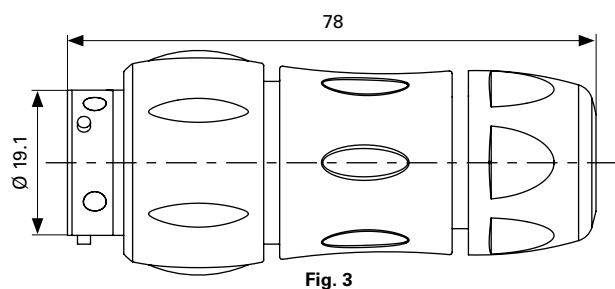
Dimensions in mm (For mated connector lengths see page 145)

Square flange receptacle - UTGX0 and UTGX0JC



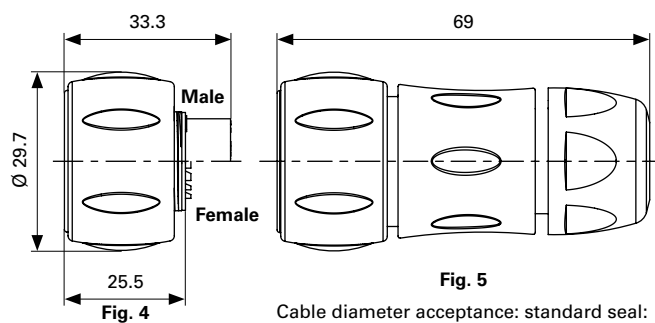
Cable diameter acceptance: standard seal:
from 2.5 mm to 12 mm, reduced seal: from 3 mm to 9 mm

Free hanging - UTGX1JC



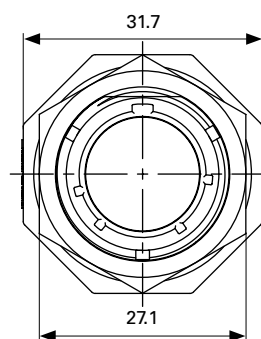
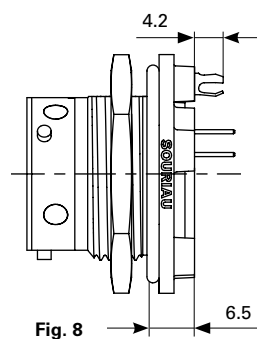
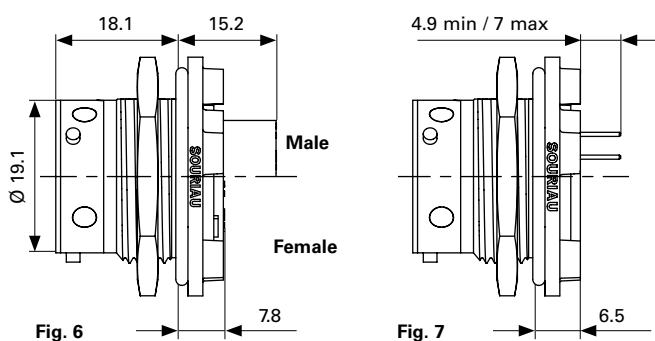
Cable diameter acceptance: standard seal:
from 2.5 mm to 12 mm, reduced seal: from 3 mm to 9 mm

Plug - UTGX6 & UTGX6JC



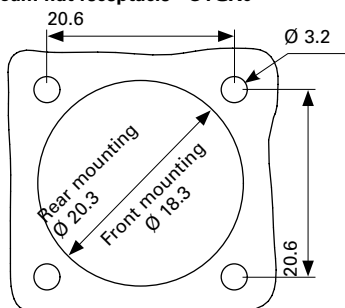
Cable diameter acceptance: standard seal:
from 2.5 mm to 12 mm,
reduced seal: from 3 mm to 9 mm

Jam nut receptacle UTGX7

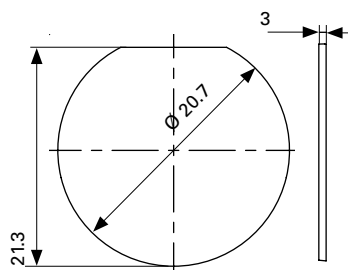


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



1210 - 12E10/12D10 (Shell size 12, 10x#20)

Accessories

Jam nut & free hanging receptacle sealing caps



Description	Part number
IP68/69K	UTGX12DCG
IP68/69K - Metal terminal	UTGX12DCGR

Square flange sealing cap



Description	Part number
IP68/69K - Metal terminal	UTGX12DCGE

Plug sealing cap



Description	Part number
IP68/69K	UTGX612DCG

Plastic protective cap



Part number receptacle cap	Part number plug cap
85005587A	85005596

Gasket



Part number
UTFD13B

Color coding rings



Description	Part number receptacles	Part number plugs
G for Green	UTGX712CCRG	UTGX612CCRG
Y for Yellow	UTGX712CCRY	UTGX612CCRY
R for Red	UTGX712CCRR	UTGX612CCRR

Connectors

1210 - 12E10/12D10 (Shell size 12, 10x#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

1210 - 12E10/12D10 (Shell size 12, 10x#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

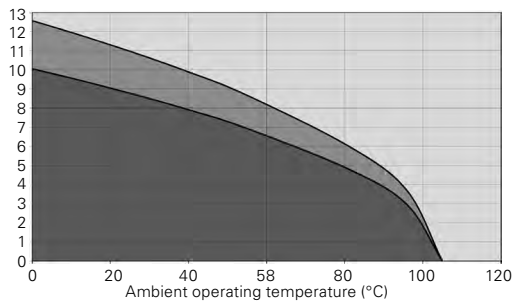
Contact style	Contact type	Plating	Cable acceptance (AWG)	Wire stripping length (mm)
Handsolder	Loaded in the connector	Min 0.4µ gold over 0.8µ Ni	20 to 18	3.8

Electrical characteristics

UL	CSA	IEC
UTGX 1210		
4.5A 250V with AWG20 wire UL94 V-0	3A 250V with AWG20 wire UL94 V-0	6A 50V 1.5kV 3
UTGX 12E10/12D10		
4.5A 250V with AWG20 wire UL94 HB	4.5A 250V with AWG20 wire UL94 HB	6A 50V 1.5kV 3

UTGX 1210 - 12E10/12D10 derating curves

Current (A)



- 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.