

Connectors

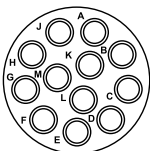
1412 (Shell size 14, 12x#16)



Connector part number

UTGX 1412

12 contacts
16A/500V
per UL 1977 with
AWG14 wire



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately See page 100	Square flange receptacle	Without (Fig. 1)	UTGX01412P	UTGX01412S
	Square flange receptacle	Cable gland (Fig. 2)	UTGX0JC1412P	UTGX0JC1412S
	Free hanging receptacle	Cable gland (Fig. 3)	UTGX1JC1412P	UTGX1JC1412S
	Plug	Without (Fig. 4)	UTGX61412P	UTGX61412S
		Cable gland (Fig. 5)	UTGX6JC1412P	UTGX6JC1412S
PCB contacts supplied separately See page 100	Jam nut receptacle	Without (Fig. 6)	UTGX71412P	UTGX71412S
	Square flange receptacle	Without (Fig. 1)	UTGX01412P	UTGX01412S
	Jam nut receptacle	Without (Fig. 6)	UTGX71412P	UTGX71412S

For discrimination/keying methods see page 154

Overmoulded cable assembly part numbers

Overmoulding type	Connector type	Wire size (mm ²)	Harmonized cable part number ⁽¹⁾	Part number (length: 1 m.)*	
				Male plug	Female plug
Straight ending	Plug	1.5	H05 VV - F 12x1.5	HAUTGX1412PST1M	HAUTGX1412SST1M
Right angle ending	Plug	1.5	H05 VV - F 12x1.5	HAUTGX1412PRA1M	HAUTGX1412SRA1M

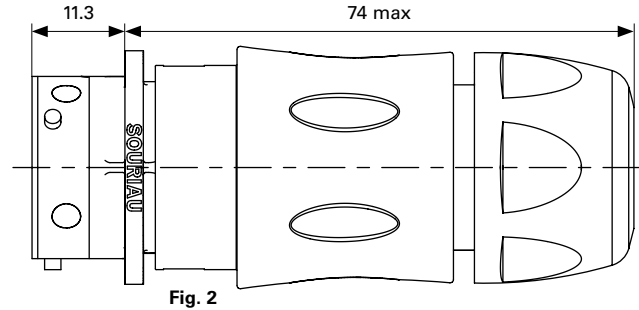
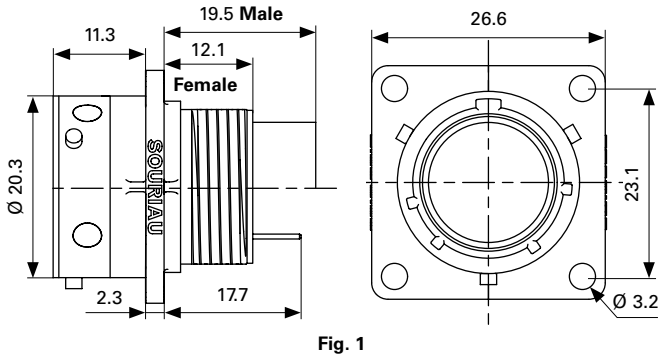
(1) Other cable available on demand

* Other lengths available on demand

Note: Overmoulded cable assembly dimensions available page 145

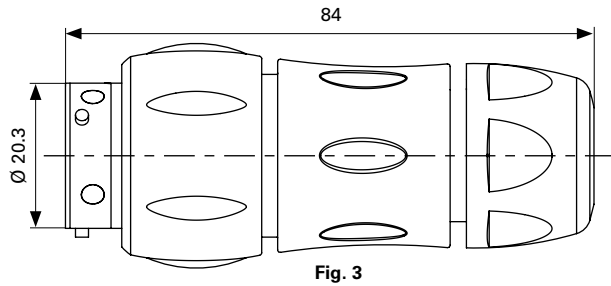
Dimensions in mm (For mated connector lengths see page 145)

Square flange receptacle - UTGX0 and UTGX0JC



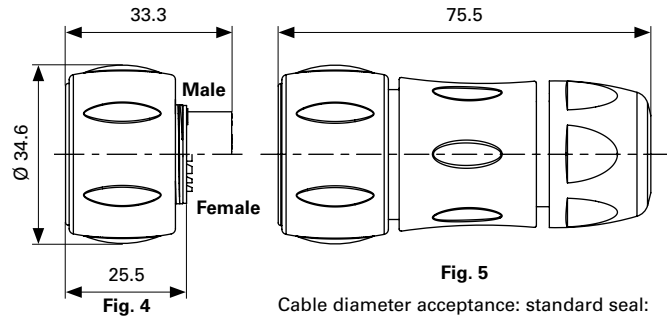
Cable diameter acceptance: standard seal:
from 7 mm to 14 mm, reduced seal: from 5 mm to 12 mm

Free hanging - UTGX1JC



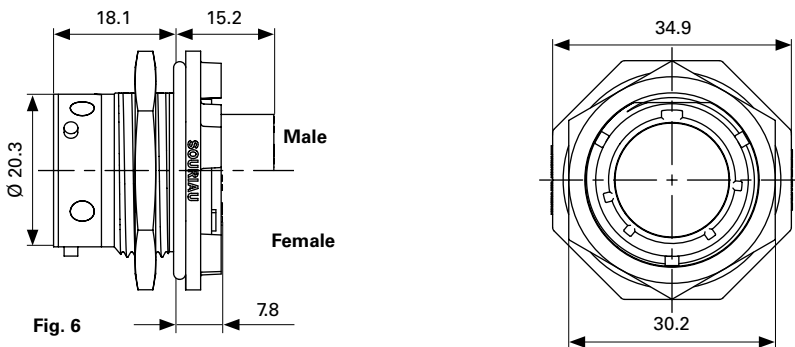
Cable diameter acceptance: standard seal:
from 7 mm to 14 mm, reduced seal: from 5 mm to 12 mm

Plug - UTGX6 & UTGX6JC



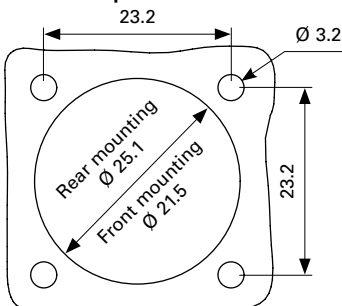
Cable diameter acceptance: standard seal:
from 7 mm to 14 mm,
reduced seal: from 5 mm to 12 mm

Jam nut receptacle UTGX7

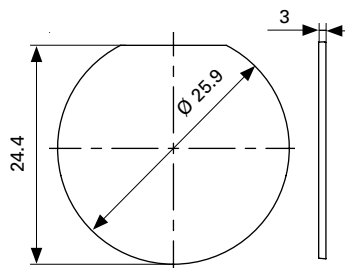


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Connectors

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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	UTGX714CCR	UTGX614CCR

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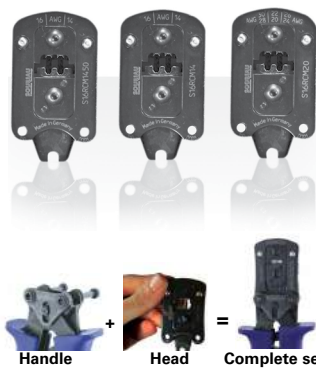
Tooling

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 #16 Ø 1.6 mm	RM/RC 28M1K ⁽¹⁾	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*

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

* Heads to be used with handle PN: SHANDLES

Extraction tool #16

Fig. 1



Fig. 2



Description	Part number
Fig. 1	RX2025GE1
Fig. 2 - Long endurance tool	RX2031J

Connectors

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Contacts #16

Contact style	Contact type	Cable acceptance (AWG)	Cable acceptance (mm²)	Part number Male	Part number Female	Max wire Ø (mm)	Max insulator Ø (mm)
Crimp contacts	Machined	30-26	0.48-0.08	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.55	1.00
		26-24	0.13-0.25	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.80	1.58
		20-20	0.32-0.52	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	1.15	1.80
		20-20	0.32-0.52	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	1.15	2.20
		20-16	0.52-1.48	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	1.80	3.20
		16-14	1.48-2.48	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	2.30	3.20
	Stamped & Formed reeled contacts See note ⁽²⁾ for loose piece	26-24	0.13-0.25	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	—	0.90-1.58
		20-20	0.32-0.52	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	—	1.20-2.10
		18-16	0.80-1.48	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	—	3.20
		18-16	0.80-1.48	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	—	3.00
		14	2.48	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	—	3.20
PCB	Machined ⁽³⁾	—	—	RM20M12E83K ⁽¹⁾	RC20M12E84K ⁽¹⁾	—	—
Coaxial	Cable multipiece	see pages 133 to 134		RMDXK10D28	RCDXK1D28	—	—
	Cable monocrimp			RMDX60xxD28	RCDX60xxD28	—	—
	Twisted pair multipiece			RMDXK10D28 + yorx090	RCDXK1D28 + yorx090	—	—
	Twisted pair monocrimp			RMDX60xxD28	RCDX60xxD28	—	—
Fiber optic	POF contacts (Plastic Optical Fiber)	—	—	RMPOF1000	RCPOF1000B	—	—
Handsoldier	Loaded in the connector	14-18	2.48-0.80	—	—	—	—

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

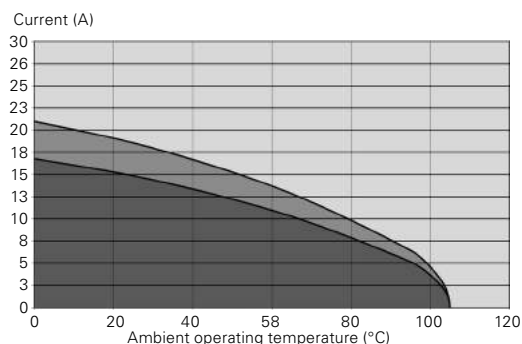
(2): Loose piece contact available by adding "L" after the "M" for the contact size and the plating. Example: SM20M1TK6 becomes SM20ML1TK6

(3): for dimensions see pages 136 or 137

Electrical characteristics

UL	CSA	IEC
16A 500V with AWG14 wire UL94 V-0	16A 500V with AWG14 wire UL94 V-0	10A 63V 1.5kV 3

UTGX 1412 derating curves



- Current use
- Limited use
- Not recommended use

Test conditions

Contact used: machined contacts

Wires used: 1.31 mm²

Derating curves based on continuous current application.