SOURIAU

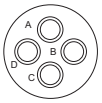
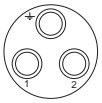
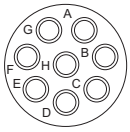
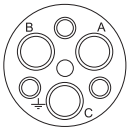
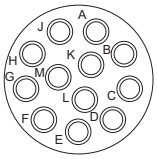
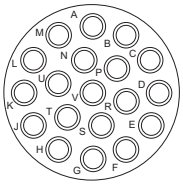
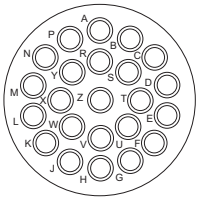
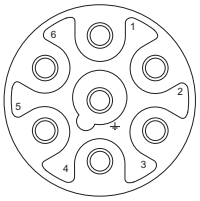
# The full plastic circular connector

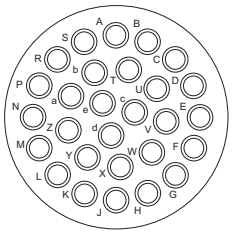
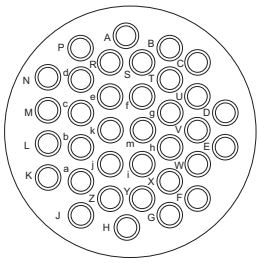
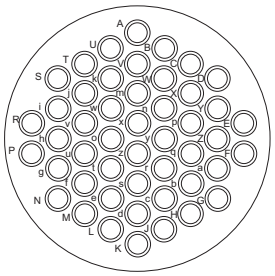
## UTP provides the complete answer to the need for economical lightweight and robust circular connector

| | |
|---|---|
| **Flammability rating** | UL94-V0 compliant |
| **Rapid and secure locking** | Locks with audible positive «click» |
| **Interconnectivité & intermariable** | Intermateable and interchangeable with UTO, UTG and UTS Series |
| **Complete range of contacts** | Trim Trio contacts #16 |

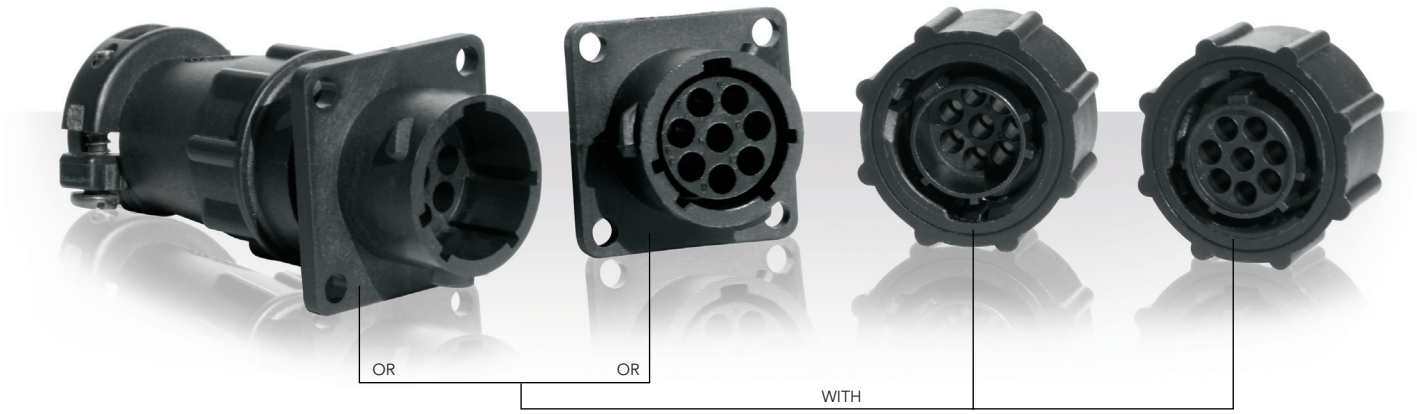
Esterline
Connection Technologies

## Layout

| Shell size | Contact # 16 (Ø 1,6) | Mixed power / signal versions |
|---|---|---|
| **10** |  10-4 |  10-3<br>3 x #16 (Ø 1,6)<br>Group C 250V |
| **12** |  12-8 |  12-2G1 |
| **14** |  14-12 | |
| **16** |  16-19 | |
| **18** |  18-23 |  18-7<br>Group C 380V<br>7 x # 16 (Ø 1,6) |

| Shell size | Contact # 16 (Ø 1,6) | Mixed power / signal versions |
|---|---|---|
| **20** |  20-28 | |
| **22** |  22-35 | |
| **24** |  24-48 | |

Contact identification positions shown are for mating face of pin contact connectors and wire face of socket contact connectors.



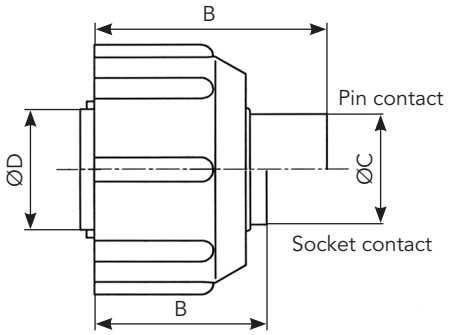

## Specifications

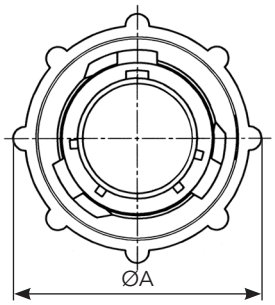
| Connector type | Shell size | Contacts number* | Part number | |
|---|---|---|---|---|
| | | | Male insert | Female insert |
| Cable plug | 10 | 4 | UTP6104P | UTP6104S |
| | | | UTP6103P | UTP6103S |
| | 12 | 8 | UTP6128P | UTP6128S |
| | | 2 + ground | UTP6122G1P | UTP6122G1S |
| | 14 | 12 | UTP61412P | UTP61412S |
| | 16 | 19 | UTP61619P | UTP61619S |
| | 18 | 23 | UTP61823P | UTP61823S |
| | | 6 + ground | UTP6187P | UTP6187S |
| | 20 | 28 | UTP62028P | UTP62028S |
| | 22 | 35 | UTP62235P | UTP62235S |
| | 24 | 48 | UTP62448P | UTP62448S |
| Panel mounting receptacle | 10 | 4 | UTP0104P | UTP0104S |
| | | | UTP0103P | UTP0103S |
| | 12 | 8 | UTP0128P | UTP0128S |
| | | 2 + ground | UTP0122G1P | UTP0122G1S |
| | 14 | 12 | UTP01412P | UTP01412S |
| | 16 | 19 | UTP01619P | UTP01619S |
| | 18 | 23 | UTP01823P | UTP01823S |
| | | 6 + ground | UTP0187P | UTP0187S |
| | 20 | 28 | UTP02028P | UTP02028S |
| | 22 | 35 | UTP02235P | UTP02235S |
| | 24 | 48 | UTP02448P | UTP02448S |

*Contacts supply separately

# Dimensions

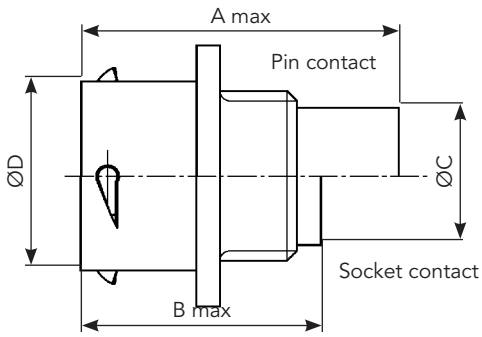
## Cable Plug - UTP6

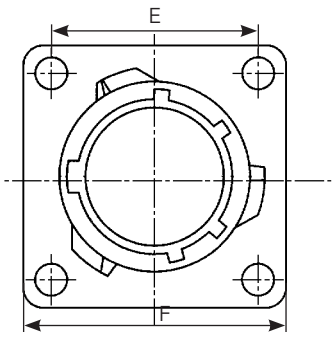


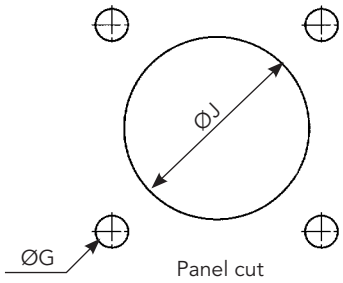




| Shell size | ØA±0.2 | B max | | ØC±0.15 | ØD±0.15 | ØE±0.2 |
|---|---|---|---|---|---|---|
| | | Pin contact | Socket contact | | | |
| 10 | 26.7 | 31.8 | 23.9 / 26.75 | 10.9 | 12.2 | 19.1 |
| 12 | 31.4 | | 23.9 | 13.8 | 15.1 | |
| 14 | 34.5 | | | 17.0 | 18.3 | |
| 16 | 37.8 | | | 19.9 | 21.5 | |
| 18 | 40.8 | 31.8 / 33.0 | 23.9 / 29.0 | 22.4 | 24.0 | |
| 20 | 43.9 | 31.8 | 24.9 | 25.6 | 27.2 | |
| 22 | 47.0 | | | 28.5 | 30.4 | |
| 24 | 50.1 | | 26.2 | 31.7 | 33.5 | |

## Panel Mounting - UTP0




| Shell size | A max | | B±0.15 | C±0.2 | ØD±0.15 | ØE±0.2 | F±0.25 | ØG±0.1 | ØJ±0.1 |
|---|---|---|---|---|---|---|---|---|---|
| | Pin contact | Socket contact | | | | | | | |
| 10 | 31.7 | 24.3 / 27.6 | 2.3 | 11.3 | 15.0 | 18.3 | 23.8 | 3.2 | 15.1 |
| 12 | | 24.3 | | | 19.0 | 20.6 | 26.2 | | 18.2 |
| 14 | | | | | 22.2 | 23.0 | 28.6 | | 21.4 |
| 16 | | | | | 25.3 | 24.6 | 31.0 | | 24.6 |
| 18 | 31.7 / 34.0 | 24.3 / 30.4 | 2.5 | 11.3 / 17.9 | 28.5 | 27.0 | 33.3 | | 27.7 |
| 20 | 33.3 | 27.0 | | 14.5 | 31.7 | 29.4 | 36.5 | | 30.9 |
| 22 | | 28.0 | 3.5 | | 34.9 | 31.8 | 39.7 | | 34.1 |
| 24 | | 30.4 | | 15.3 | 38.0 | 34.9 | 42.9 | 3.9 | 37.3 |

Note: all dimensions are in mm

# Accessories and tooling

## Cable Clamp

| Part number | Shell size |
|---|---|
| UTG10AC | 10 |
| UTG12AC | 12 |
| UTG14AC | 14 |
| UTG16AC | 16 |
| UTG18AC | 18 |
| UTG20AC | 20 |
| UTG22AC | 22 |
| UTG24AC | 24 |

## Cable Clamp for Waterprotected (IP65) Applications

| Part number | Shell size |
|---|---|
| UTG10PG | 10 |
| UTG12PG | 12 |
| UTG14PG | 14 |
| UTG16PG | 16 |
| UTG18PG | 18 |
| UTG20PG | 20 |
| UTG22PG | 22 |
| UTG24PG | 24 |

## Cable Gland for Waterprotected (IP65) Applications

| Part number | Shell size |
|---|---|
| UTG10ST | 10 |
| UTG12ST | 12 |
| UTG14ST | 14 |
| UTG16ST | 16 |
| UTG18ST | 18 |
| UTG20ST | 20 |
| UTG22ST | 22 |
| UTG24ST | 24 |

## Metal Shrink Boot

| Part number | Shell size |
|---|---|
| UTG10AD | 10 |
| UTG12AD | 12 |
| UTG14AD | 14 |
| UTG16AD | 16 |
| UTG18AD | 18 |
| UTG20AD | 20 |
| UTG22AD | 22 |
| UTG24AD | 24 |

## Dustcap (Receptacle)

| Part number | Shell size |
|---|---|
| UTP10DC | 10 |
| UTP12DC | 12 |
| UTP14DC | 14 |
| UTP16DC | 16 |
| UTP18DC | 18 |
| UTP20DC | 20 |
| UTP22DC | 22 |
| UTP24DC | 24 |

## Dustcap with Chain (Receptacle)

| Part number | Shell size |
|---|---|
| UTP10DCG | 10 |
| UTP12DCG | 12 |
| UTP14DCG | 14 |
| UTP16DCG | 16 |
| UTP18DCG | 18 |
| UTP20DCG | 20 |
| UTP22DCG | 22 |
| UTP24DCG | 24 |

## Plastic Protective Cap for Receptacle

| Part number | Shell size |
|---|---|
| 8500-5586A | 10 |
| 8500-5587A | 12 |
| 8500-5588A | 14 |
| 8500-5589A | 16 |
| 8500-5590A | 18 |
| 8500-5591A | 20 |
| 8500-5592A | 22 |
| 8500-5593A | 24 |

## Gasket

| Part number | Shell size |
|---|---|
| UTFD12B | 10 |
| UTFD13B | 12 |
| UTFD14B | 14 |
| UTFD15B | 16 |
| UTFD16B | 18 |
| UTFD17B | 20 |
| UTFD18B | 22 |
| UTFD19B | 24 |

## Handle

| Part number |
|---|
| SHANDLES |

## Tool Kit

| Part number |
|---|
| TOOLKIT |

## Crimp Tooling

| Contacts | Contact size | Part number of head |
|---|---|---|
| RM/RC 28M1K(1) | Standard contacts<br>#16<br>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 | M10S-1J with die set & stop bushing |
| RCDXK1D28K | | |
| RM/RC DX60xxD28K | | |
| RM/RC DXK10D28 + york090 | | |
| RM/RC DX60xxD28 | | |

(1): example of plating, for other plating contact us

* Heads to be used with Handle PN: SHANDLES

SOURIAU

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Esterline
Connection Technologies

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