



## The full plastic circular connector

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

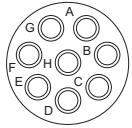
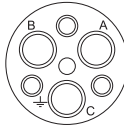
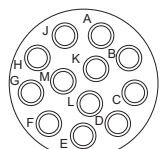
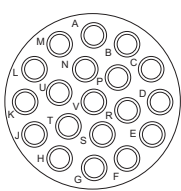
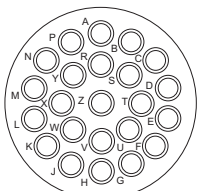
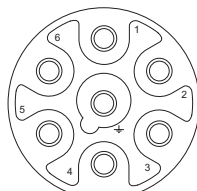
**Flammability rating** ■ UL94-V0 compliant

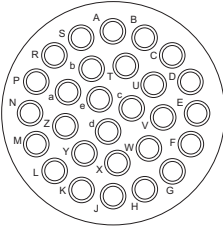
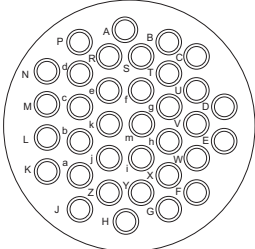
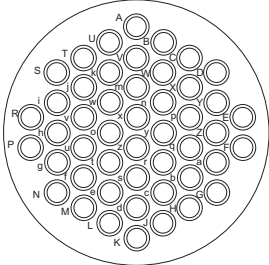
**Rapid and secure locking** ■ Locks with audible positive «click»

**Interconnectivité & intermariable** ■ Intermateable and interchangeable with UTO, UTG and UTS Series

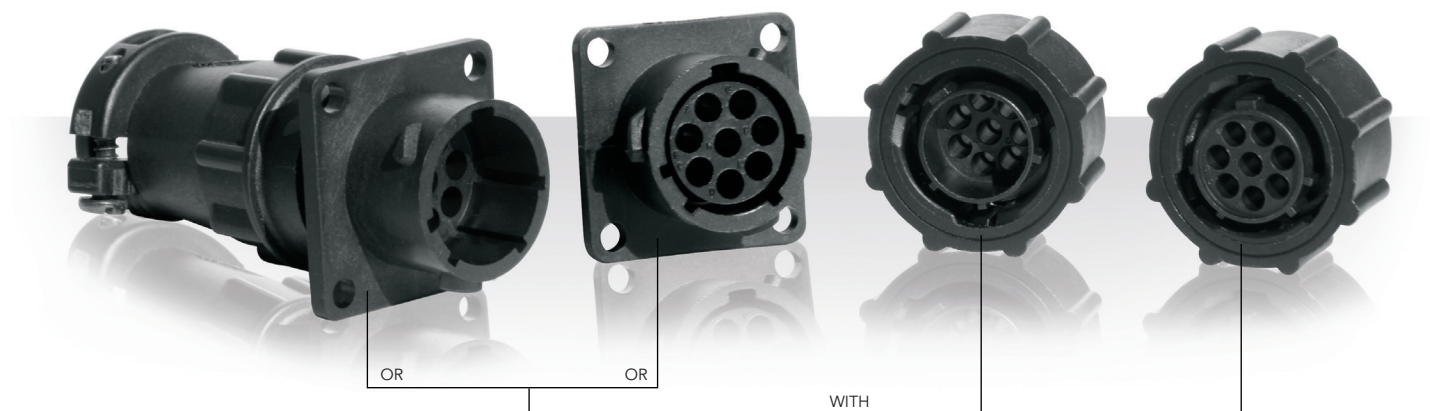
**Complete range of contacts** ■ Trim Trio contacts #16

## Layout

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

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

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



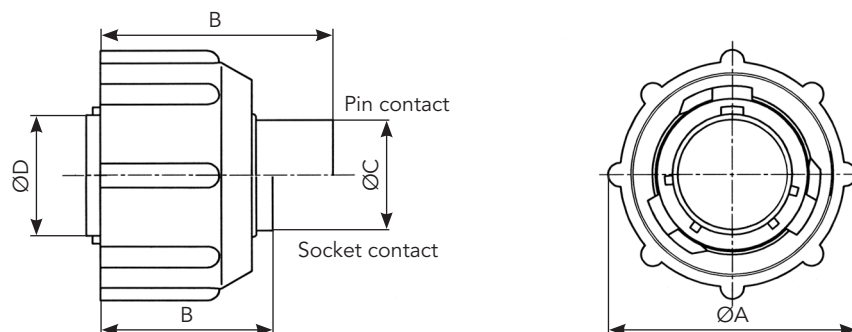
## Specifications

| 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     |
| 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

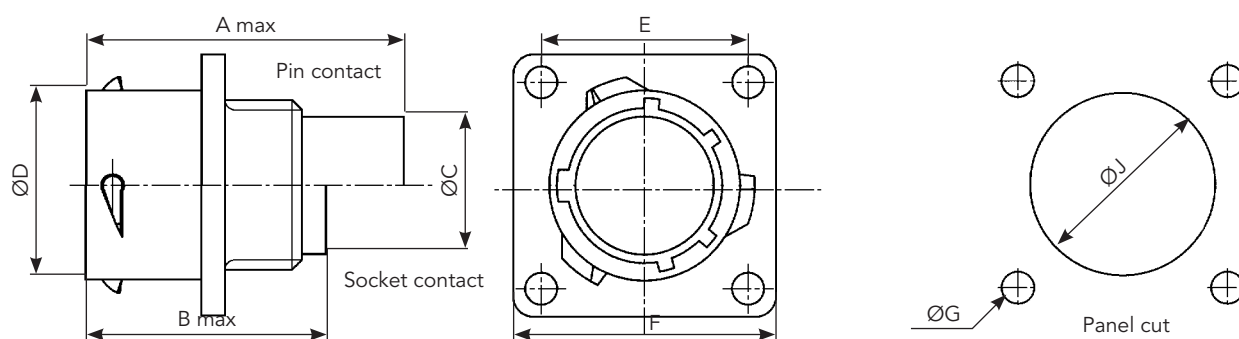
## Dimensions

### Cable Plug - UTP6



| Shell size | $\text{ØA} \pm 0.2$ | B max       |                | $\text{ØC} \pm 0.15$ | $\text{ØD} \pm 0.15$ | $\text{ØE} \pm 0.2$ |
|------------|---------------------|-------------|----------------|----------------------|----------------------|---------------------|
|            |                     | 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 <sup>(1)</sup>     | Standard contacts<br><br>#16<br>Ø 1.6mm | S16RCM20*                                 |
| RM/RC 24M9K <sup>(1)</sup>     |                                         | S16RCM20*                                 |
| RM/RC 20M13K <sup>(1)</sup>    |                                         | S16RCM20*                                 |
| RM/RC 20M12K <sup>(1)</sup>    |                                         | S16RCM20*                                 |
| RM/RC 16M23K <sup>(1)</sup>    |                                         | S16RCM16*                                 |
| RM/RC 14M30K <sup>(1)</sup>    |                                         | S16RCM14*                                 |
| SM/SC 24ML1TK6 <sup>(1)</sup>  |                                         | S16SCM20*                                 |
| SM/SC 20ML1TK6 <sup>(1)</sup>  |                                         | S16SCM20*                                 |
| SM/SC 16ML1TK6 <sup>(1)</sup>  |                                         | S16SCML1*                                 |
| SM/SC 14ML1TK6 <sup>(1)</sup>  |                                         | S16SCML1*                                 |
| SM/SC 16ML11TK6 <sup>(1)</sup> |                                         | S16SCML11*                                |
| RMDXK10D28K                    | Coaxial contacts                        | M10S-1J<br>with die set<br>& 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

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## Данный компонент на территории Российской Федерации

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