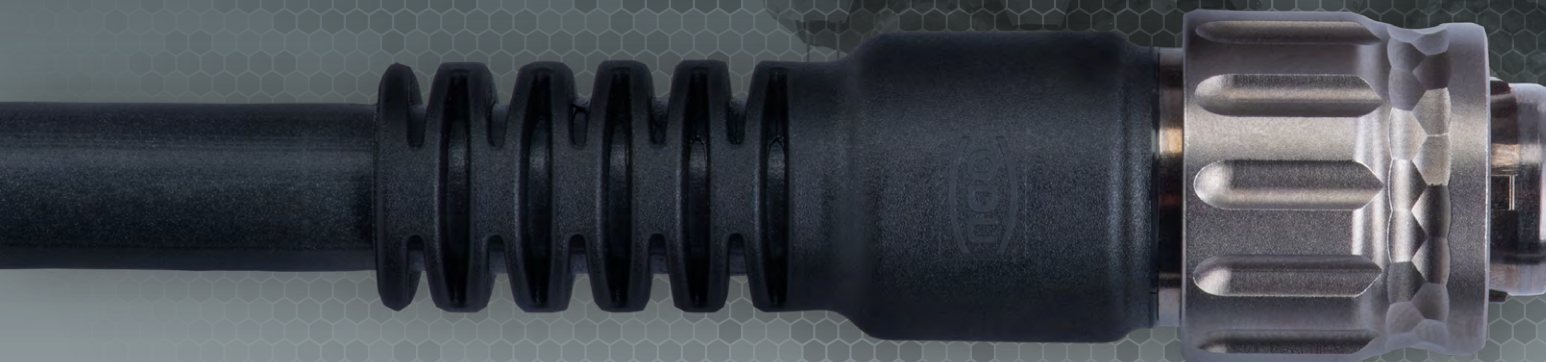
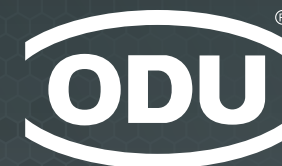
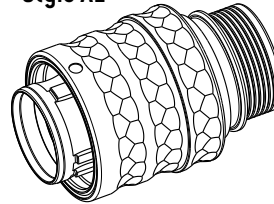


ODU AMC[®] SERIES T

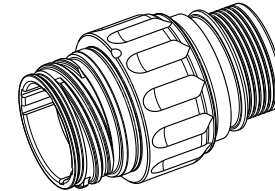
Connectors with ODU integrated shield-termination platform



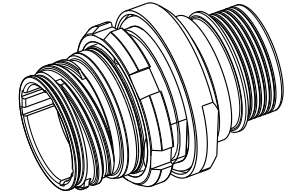
Break-away plug
Style A1



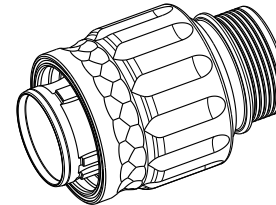
In-line receptacle
Style K1



Panel-mount
receptacle
Style G6



Threaded plug
Style C1



Push-pull plug
Style S1

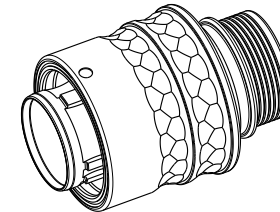


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CONNECTORS WITH CRIMP TERMINATION

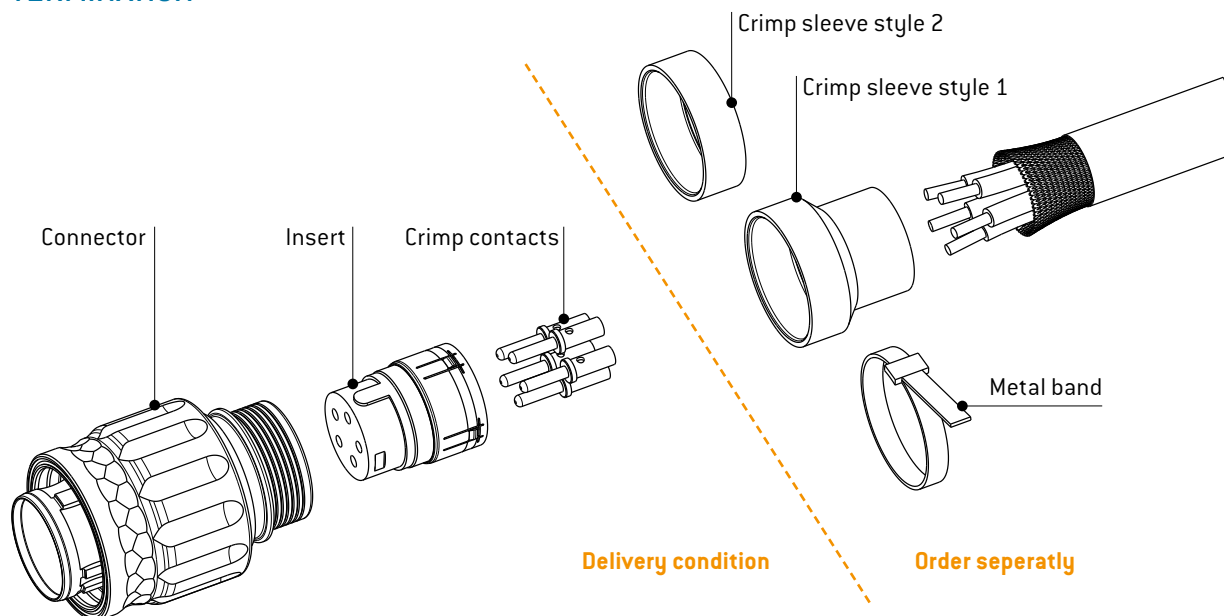
GENERAL NOTES 06

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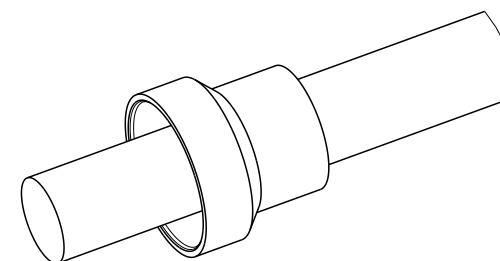
ASSEMBLY STEP BY STEP

CONNECTORS WITH CRIMP TERMINATION



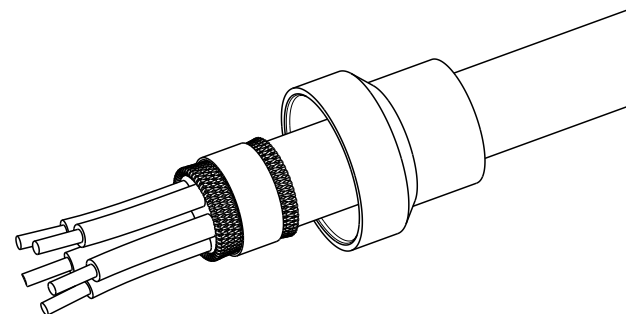
Step 1

- Slide crimp sleeve over the cable. The crimp sleeve is not needed if a metal band is used for fastening the shield to the crimp area. The crimp sleeve has to be ordered separately. For more information please see [page 7](#).



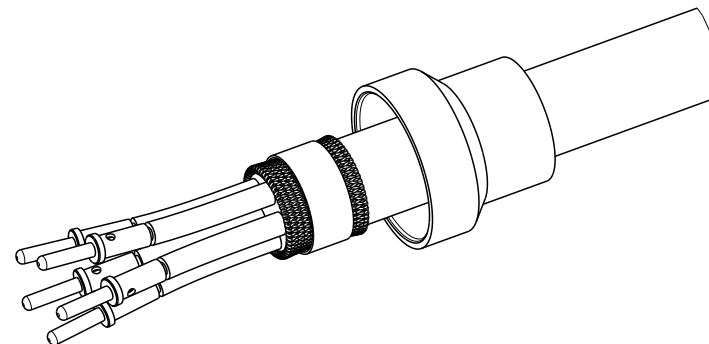
Step 2

- Strip cable and conductors ([see page 6](#)). Fold back the shield and use fastening tape (e.g. Würth: 09920019) to fasten it temporarily to the cable jacket.



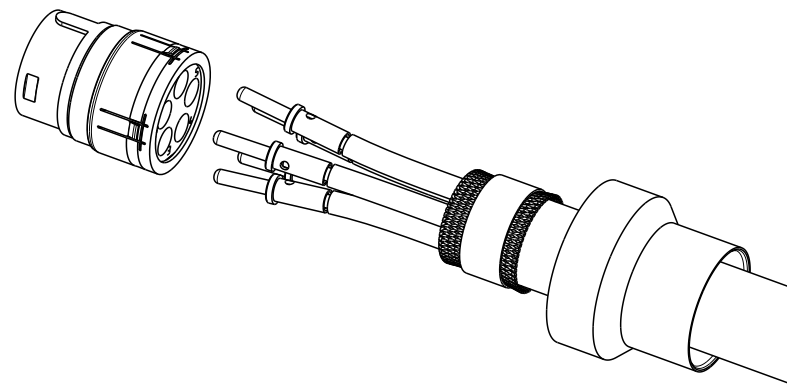
Step 3

- Crimp the contacts to the wires. For recommended tools and instructions please see [crimp contact specification D00016300](#).



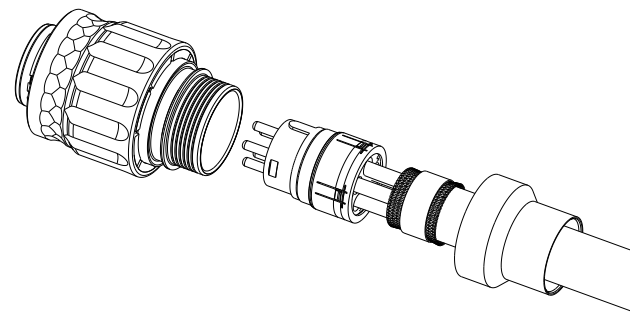
Step 4

- Press the terminated contacts into the contact cavities according to the application-specific pinout instructions.
Tools can also be found on [crimp contact specification D00016300](#).



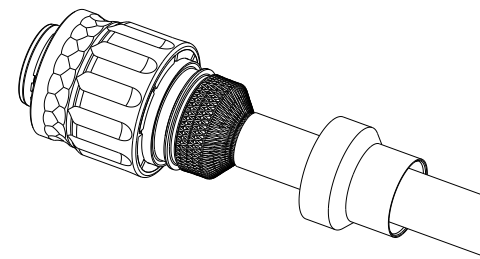
Step 5

- Put the assembled insert with the cable into the housing. Align the exterior key of the insert with the interior keyway of the connector. Press the insert assembly into the connector. If inserted correctly, there should be an audible “click.”



Step 6

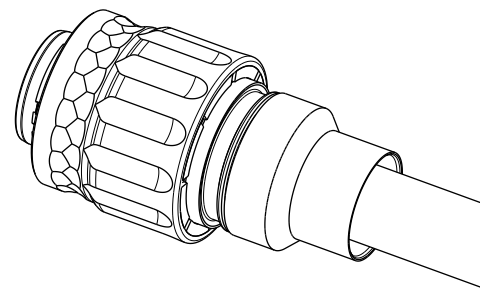
- Remove the fastening tape and lay the shield braid on to the crimp area.



Step 7

- Fasten the shield braid to the crimp area by means of crimping or by using a metal band. More information on [page 7](#).

Optional: For additional sealing or to prepare for overmolding, the interior of the crimp sleeve may need to be potted. (ODU recommends Dow Corning SE 9187 L or WEVO-2K-casting resin PU552FL, depending on the application).



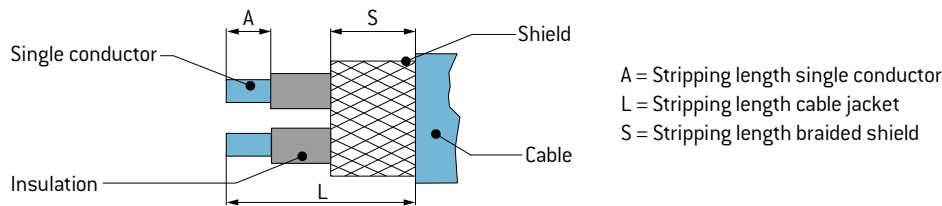
Step 8

- Bend relief: This can be implemented by means of overmolding or by using shrink boot. More information on [page 8](#).

GENERAL NOTES

RECOMMENDED STRIPPING LENGTH

The following table provides recommended guidelines for cable preparation.



| Shell size | Insert arrangement | Contact | Straight cable assembly | | | Right angled assembly | | |
|------------|--------------------|---------|-------------------------|-----|----|-----------------------|-----|----|
| | | | L | A | S | L | A | S |
| 9 | 8 way | #22D | 22 | 4.1 | 12 | 32 | 4.1 | 30 |
| 9 | 10 way | #22D | 22 | 4.1 | 12 | 32 | 4.1 | 30 |
| 12 | 5 way | #16 | 28 | 6 | 12 | 37 | 6 | 35 |
| 12 | 18 way | #20MD | 28 | 5.5 | 12 | 37 | 5.5 | 35 |
| | | #22D | 28 | 4.1 | 12 | 37 | 4.1 | 35 |

All dimensions in mm
Tolerance: +10 %

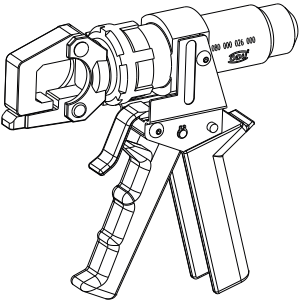
Exceptions are noted on special instructions.

Please note concerning data rate connectors:
Before crimping, please bend the strands back slightly in the original direction.
If a shield is available for the separate pairs of wires (e.g. STP-cables),
wrap it around the pairs as far as possible.

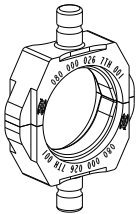
SHIELD TERMINATION

CRIMP SLEEVE

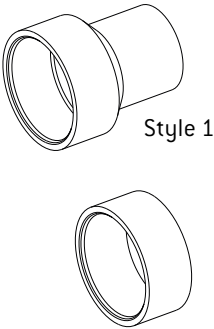
| Crimp tool | | |
|------------|-----------------|---------------------|
| Shell size | Material number | ODU number |
| all | 50231527 | 080.000.026.000.000 |



| Crimp die | | |
|------------|-----------------|---------------------|
| Shell size | Material number | ODU number |
| 9 | 50281524 | 080.000.026.7TE.001 |
| 12 | 50286858 | 080.000.026.7TH.001 |



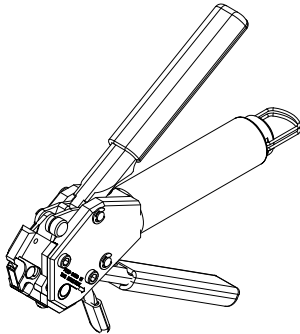
| Crimp sleeve | | | |
|--------------|-----------------|---------------------|-------|
| Shell size | Material number | ODU number | Style |
| 9 | 50269982 | 7TE.440.101.304.000 | 1 |
| | 50291239 | 7TE.440.101.304.001 | 2 |
| 12 | 50270266 | 7TH.440.101.304.000 | 1 |
| | 50291232 | 7TH.440.101.304.001 | 2 |



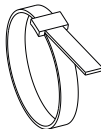
Style 1 is needed for a 20 meter submersible cable assembly.
Style 2 is needed for a cable assembly with right-angle overmolding.

METAL BANDS

| Crimp tool | | |
|------------|-----------------|---------------------|
| Shell size | Material number | ODU number |
| all | 50035716 | 080.000.058.000.000 |



| Tie-dex micro bands | | |
|---------------------|-----------------|---------------------|
| Shell size | Material number | ODU number |
| all | 50156242 | 921.000.004.000.248 |

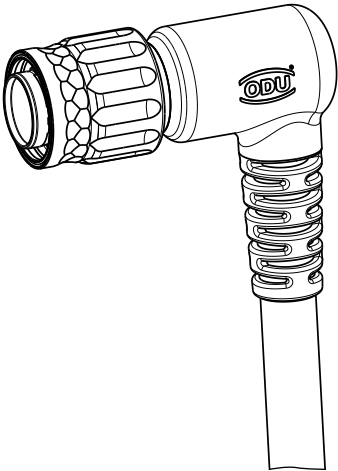
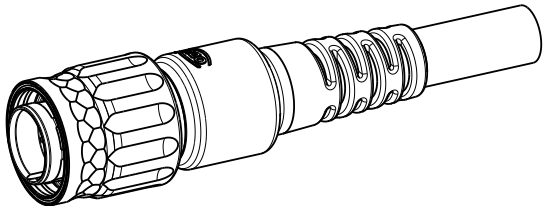


CABLE INTERFACE

ODU connectors are designed for overmolding. A heatshrinkable bend relief is also possible.

ODU OVERMOLDING

We provide complete solution with straight and right-angled overmolding on request.

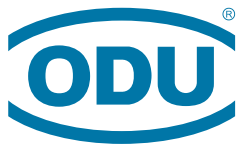


| Straight heat shrink boot option | | | | |
|----------------------------------|-----------------|---------------------|------------------|-----------------|
| Shell size | Material number | ODU number | Hellermann | TE Connectivity |
| all | 50157036 | 921.000.010.008.084 | 401-52880 | 202D121-3-60 |

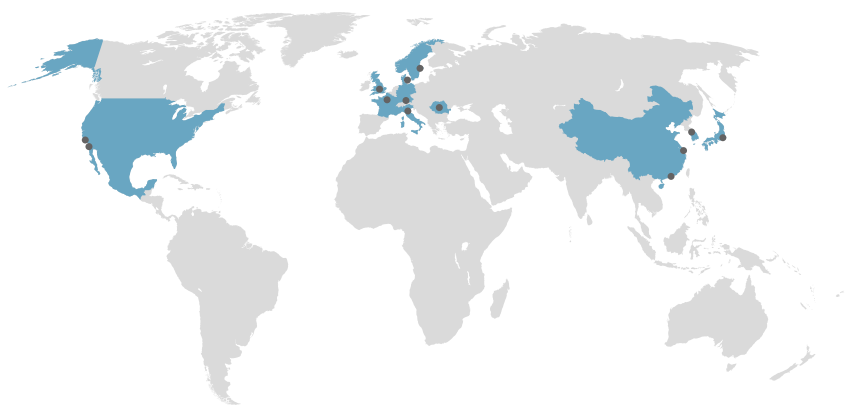
ODU stock parts are written in **bold numbers**.

To a better adhesion of the heatshrink boots on housing and cable, ODU recommend to work with an epoxyd-adhesion e.g. Hellermann V9500, TE Connectivity S1125.
[Take care of Hellermann / TE Connectivity work instruction]

| Right angle heat shrink boot option | | | |
|-------------------------------------|-----------------|---------------------|------------------|
| Shell size | Material number | ODU number | Hellermann |
| all | 50157039 | 921.000.010.008.087 | 411-52480 |



ODU GROUP WORLDWIDE



PRODUCTION AND LOGISTICS SITES

| | |
|----------------|---|
| Germany | Otto Dunkel GmbH |
| China | ODU (Shanghai) Connectors Manufacturing Co., Ltd. |
| Mexico | ODU Mexico Manufacturing S. de R.L. de C.V. |
| Romania | ODU Romania Manufacturing SRL |
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