



Overmolding Solutions

Reliable connectivity solutions and more.

2024-v2

Who Are We?

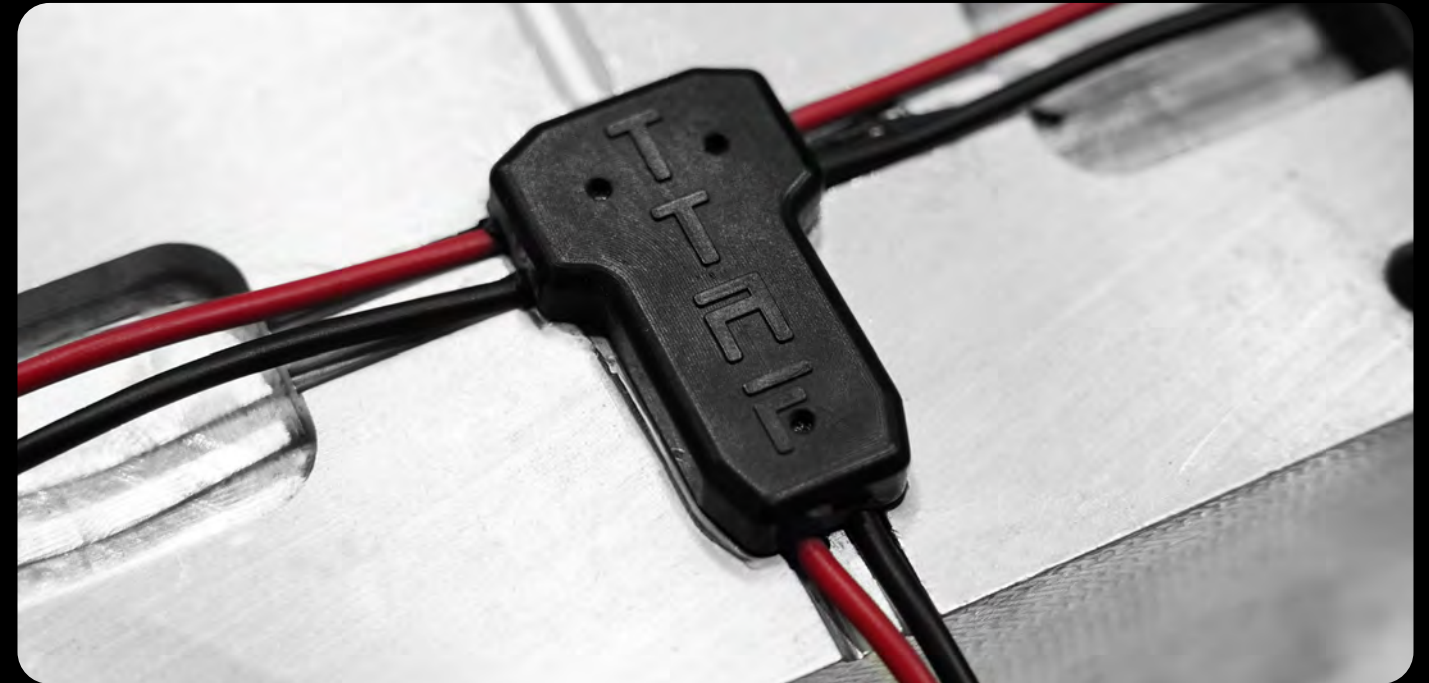
TTAF, established in Istanbul in 2003, is a specialized organization that has gained trust and admiration both in Turkey and worldwide with its custom product designs and solutions tailored to various needs, particularly in advanced technology connection elements and cable bundling.

With over a quarter-century of experience and expertise, TTAF aims to provide its customers with the highest quality products through its state-of-the-art machinery and superior service approach. It offers a wide range of complete system solutions and exports to 70 countries.

Operating under the principle of "Customer Satisfaction First," TTAF continues its production activities at its facilities in Istanbul.



We Design, Develop & Manufacture.





Low Pressure Molding

Low Pressure Molding (Low Pressure) is different from traditional injection molding. As the name suggests, the applied parts are molded at lower pressures, allowing for the precise molding and protection of special electronic devices without damage. In the low-pressure molding process, it involves placing bare, unprotected PCBs and cable assemblies carefully prepared into the mold and then filling them with low-pressure molding material.

Why Low-Pressure Molding?

- It does not damage sensitive products.
- It has low viscosity thermoplastic.
- It is sealed against dirt, dust, and moisture.

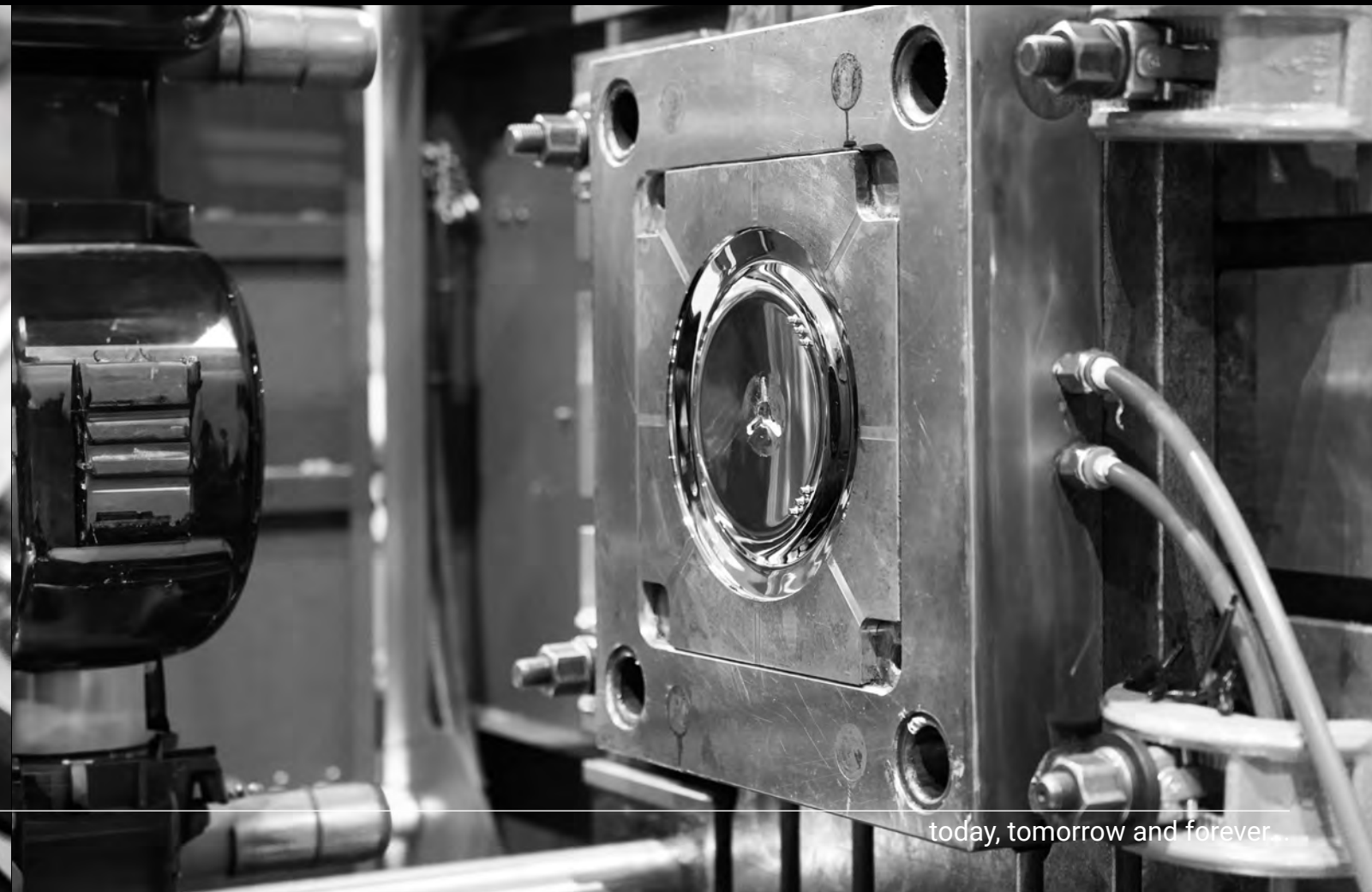


Horizontal Injection

Horizontal Injection is a method of obtaining products by injecting melted plastic materials into horizontally connected molds in machines with low and high injection tonnages, followed by cooling and solidifying. The Horizontal Injection system offers suitability for automation, eliminates the need for post-processing, provides the possibility of high-speed and high-volume production, and allows for the production of parts in different surface finishes, colors, and shapes. It also enables the production of high-volume products in the same mold.

Vertical Injection

It is a superior solution for providing insulation for cable assemblies and connectors against challenging end-use environments. Whether it is for a medical application requiring sterilization or for a connector requiring effective voltage reduction, it is used.



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DATA CABLES



DATA CABLES



D-01
USB-A/2.0 MALE



D-02
USB-A/2.0 MALE



D-03
USB-A/2.0 MALE



D-04
USB-A/2.0 90° MALE



D-05
USB-A/2.0 MALE



D-06
USB-A/2.0 FEMALE



D-07
USB-A/2.0 MALE



D-08
USB-A/2.0 FEMALE



D-09
USB-A/2.0 MALE

DATA CABLES



DATA CABLES



D-10
USB-A/2.0 FEMALE



T-CHR-10-2
USB-A/2.0 MALE
METAL



T-CHR-10-3
USB-A/2.0 MALE



D-16
USB-A/3.0 MALE



D-17
USB-B/3.0 MALE



D-18
RJ11



T-CHR-10-4
USB-A/2.0 MALE



D-11
USB-A/2.0 FEMALE
PANEL TYPE



D-12
USB-B/2.0 FEMALE
PANEL TYPE



D-19
RJ12



D-20
RJ45 METAL



D-21
RJ45



D-13
USB-A/2.0 FEMALE
PANEL TYPE



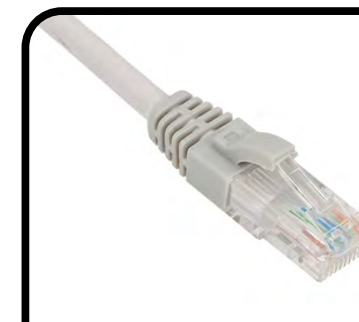
D-14
USB-B/2.0 MALE



D-15
USB-B/2.0 MALE



D-22
RJ45



D-23
RJ45

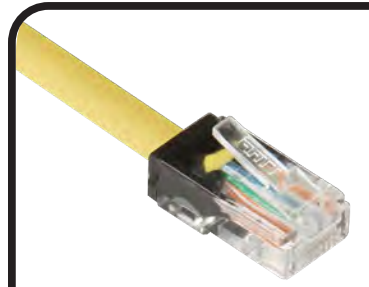


D-24
SHORT MOLD

DATA CABLES



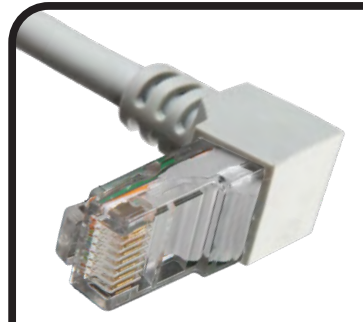
DATA CABLES



D-25
RJ45
SHORT MOLD



D-26
RJ45 90°
UP DIRECTION



D-27
RJ45 90°
DOWN DIRECTION



D-34
D-SUB / 15 PIN
MALE



D-35
D-SUB / 15 PIN
FEMALE



D-36
D-SUB / 25 PIN
MALE



D-28
RJ45 90° METAL
DOWN DIRECTION



D-29
RJ45 90° METAL
UP DIRECTION



D-30
VGA / 15 PIN



D-37
D-SUB / 25 PIN
FEMALE



D-38
D-SUB / 25 PIN
MALE



D-39
D-SUB / 25 PIN
FEMALE



D-31
VGA / 15 PIN



D-32
D-SUB / 9 PIN
MALE



D-33
D-SUB / 9 PIN
FEMALE

DATA CABLES



CHARGING AND DATA CABLES



D-40
MINI-FIT 2 PIN
MALE



D-41
MINI-FIT 2 PIN
FEMALE



D-42
MINI-FIT 8 PIN
MALE



D-43
MINI-FIT 8 PIN
FEMALE



D-44
MINI-FIT 24 PIN
MALE



D-45
MINI-FIT 24 PIN
FEMALE



CHARGING AND DATA CABLES



CHARGING AND DATA CABLES



D-46
MINI USB



D-47
MINI USB



D-48
MINI USB



T-CHR-05-04
MICRO USB METAL



T-CHR-06-1
TYPE-C METAL



T-CHR-06-02
TYPE-C



D-49
MINI USB



D-50
MICRO USB



D-51
MICRO USB



T-CHR-06-3
TYPE-C



T-CHR-06-4
TYPE-C METAL



T-CHR-05-01
MICRO USB METAL



T-CHR-05-2
MICRO USB



T-CHR-05-03
MICRO USB

CHARGING AND DATA CABLES



AUDIO AND VIDEO CABLES



T-CHR-07-01
LIGHTNING METAL



T-CHR-06-02
LIGHTNING



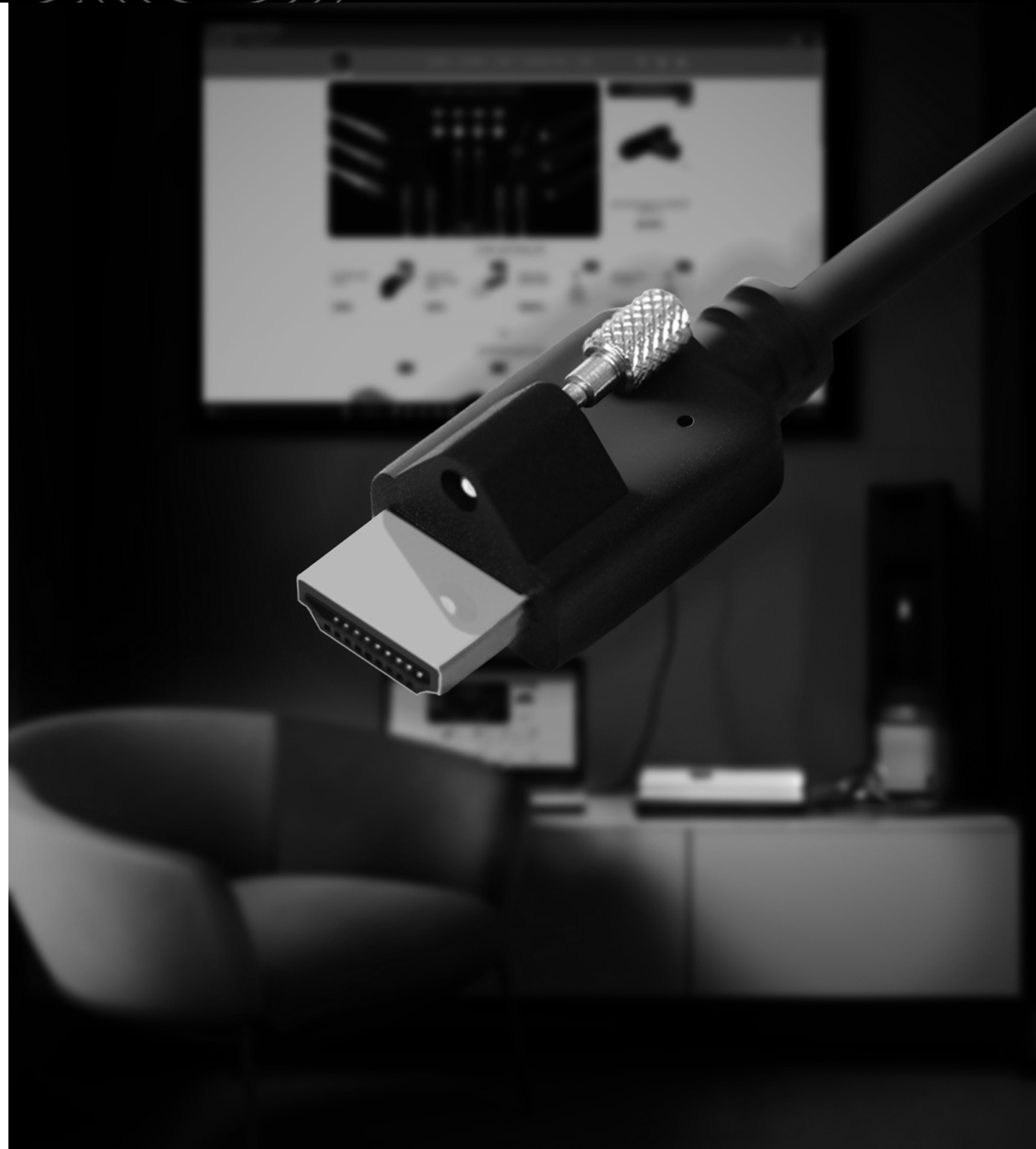
T-CHR-07-03
LIGHTNING



T-CHR-07-04
LIGHTNING METAL



D-52
LIGHTNING



AUDIO AND VIDEO CABLES



AUDIO AND VIDEO CABLES



AV-01
HDMI



AV-02
HDMI



AV-03
HDMI FEMALE



AV-10
SCART



AV-11
SCART



AV-12
TV ANTENNA



AV-04
HDMI



AV-05
HDMI



AV-06
HDMI



AV-13
TV ANTENNA 90°



AV-14
TV ANTENNA



AV-15
TV ANTENNA



AV-07
SCREWED HDMI



AV-08
HDMI 90°



AV-09
MINI HDMI



AV-16
BNC



AV-17
BNC
FIELD ASSEMBLY



AV-18
F CONNECTOR

AUDIO AND VIDEO CABLES



AUDIO AND VIDEO CABLES



AV-19
RCA



AV-20
RCA



AV-21
RCA



AV-28
DC 3.5 STEREO



AV-29
DC 3.5 STEREO



AV-30
DC 3.5 STEREO
FEMALE



AV-22
RCA



AV-23
RCA



AV-24
RCA



AV-31
DC 3.5 STEREO



AV-32
DC 3.5 STEREO



AV-33
DC 3.5 STEREO



AV-25
RCA FEMALE



AV-26
DC 2.5 STEREO
MALE



AV-27
DC 2.5 STEREO
FEMALE



AV-34
TOSLINK



AV-35
TOSLINK
NANO



AV-36
DC 5.5

WATERPROOF CABLES



WATERPROOF CABLES



WP-01
SUPERSEAL 2 PIN
MALE



WP-02
SUPERSEAL 2 PIN
FEMALE



WP-03
SUPERSEAL 3 PIN
MALE



WP-04
SUPERSEAL 3 PIN
FEMALE



WP-05
SUPERSEAL 3 PIN°90
FEMALE



WP-06
SUPERSEAL 4 PIN
MALE



WP-07
SUPERSEAL 4 PIN
FEMALE



WP-08
SUPERSEAL 5 PIN
FEMALE



WP-09
SUPERSEAL 5 PIN
FEMALE

WATERPROOF CABLES



WATERPROOF CABLES



WP-10
WATERPROOF HDMI
OD: Ø33,95mm



WP-11
WATERPROOF HDMI
OD: Ø31,21mm



WP-12
WATERPROOF VGA



WP-19
2 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø8,20mm



WP-20
3-9 PIN MIC
CONNECTOR
FEMALE/MALE
OD: Ø8,20mm



WP-21
3-9 PIN MIC
CONNECTOR
FEMALE/MALE
OD: Ø13,00mm



WP-13
2 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø10,50mm



WP-14
3 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø10,50mm



WP-15
4 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø10,50mm



WP-22
2-9 PIN MIC
CONNECTOR °90
OD: Ø13,00mm



WP-23
2-7 PIN MINI MIC
CONNECTOR
FEMALE/MALE
OD: Ø13,00mm



WP-24
2-7 PIN MINI MIC
CONNECTOR °90
OD: Ø13,00mm



WP-16
2 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø15,00mm



WP-17
3 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø15,00mm



WP-18
4 PIN MINI CIRCULAR
FEMALE/MALE
OD: Ø15,00mm



WP-25
AISG CONNECTOR
FEMALE/MALE
OD: Ø18,50mm



WP-26
4 PIN MICRO FIT

WATERPROOF CABLES



WATERPROOF CABLES



WP-27
WATERPROOF RJ45
OD: Ø38,15mm



WP-28
WATERPROOF RJ45
OD: Ø42,17mm



WP-29
2 PIN
T ADAPTER



WP-36
SUPERSEAL 3 PIN
Y ADAPTER



WP-37
ON/OFF SWITCH
ADAPTER



WP-38
MILITARY
CONNECTOR
OD: Ø25,50mm



WP-30
4 PIN MICROFIT
T ADAPTER



WP-31
MAXI BLADE FUSE TYPE
PIN DISTANCE: 13.5 mm



WP-32
MINI BLADE FUSE TYPE
PIN DISTANCE: 4 mm



WP-39
MILITARY
CONNECTOR
OD: Ø14,70mm



WP-40
3 PIN
SENSOR
CONNECTOR



WP-33
T ADAPTER
OD: 2,5mm



WP-34
T ADAPTER
OD:5,5mm



WP-35
T ADAPTER
OD: 6-13 mm

WATERPROOF CABLES



POWER CABLES



WP-40
WATERPROOF
CONNECTOR
2 PIN MALE



WP-41
WATERPROOF
CONNECTOR
4 PIN MALE



WP-42
WATERPROOF
CONNECTOR
6 PIN MALE



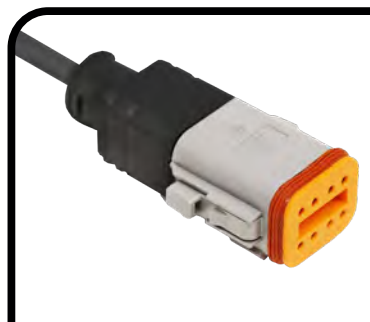
WP-43
WATERPROOF
CONNECTOR
2 PIN FEMALE



WP-44
WATERPROOF
CONNECTOR
4 PIN FEMALE



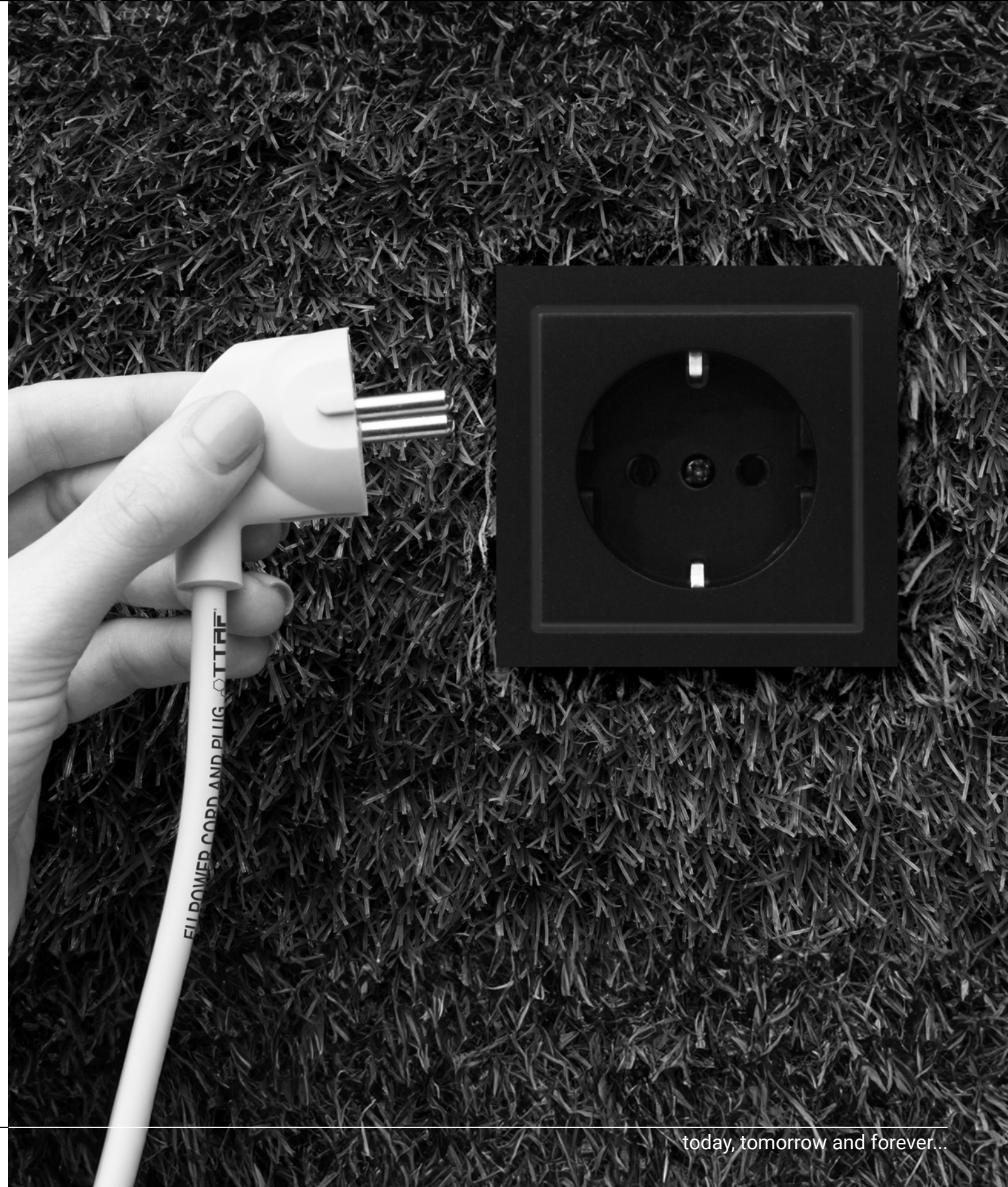
WP-45
WATERPROOF
CONNECTOR
6 PIN FEMALE



WP-46
WATERPROOF
CONNECTOR
8 PIN MALE



WP-47
WATERPROOF
CONNECTOR
8 PIN FEMALE



POWER CABLES



POWER CABLES



P-01
CEE 7/16 EU. PLUG



P-02
SCHUKO CEE7/17
EU. PLUG



P-03
US. PLUG



P-07
C19 FEMALE



P-08
C20 MALE



P-09
3 PIN POWER CABLE
MALE
OD: Ø33,00mm



P-04
C7 PLUG



P-05
C13 PLUG FEMALE



P-06
C14 PLUG FEMALE



P-10
3 PIN POWER CABLE
FEMALE
OD: Ø29,18mm

SIGNAL CABLES



SIGNAL CABLES



S-01
M5 - 4 PIN MALE



S-02
M5 - 4 PIN FEMALE



S-03
M5 - 4 PIN 90° MALE



S-04
M5 - 4 PIN 90°
FEMALE



S-05
M6 - 2,3,4,5,6 PIN
MALE



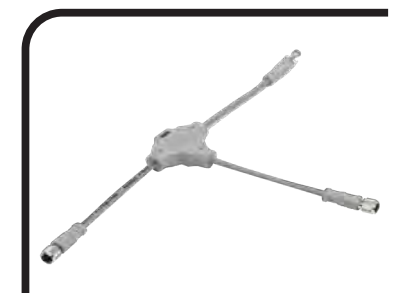
S-06
M6 - 2,3,4,5,6 PIN
FEMALE



S-07
M8 - 2,3,4,5,6 PIN
MALE



S-08
M8 - 2,3,4,5,6 PIN
FEMALE



S-09
M8 - 2,3,4 PIN
T SPLITTER

SIGNAL CABLES



SIGNAL CABLES



S-10
M8 - 2,3,4 PIN MALE



S-11
M8 - 2,3,4 PIN FEMALE



S-12
M8 - 2,3,4 PIN 90° MALE



S-19
M12 - 2-8 PIN 90° FEMALE/MALE



S-20
M12 CAT CABLE 4-8 PIN 90°



D-21
M12 8 PIN X CODE



S-13
M8 - 2,3,4 PIN 90° FEMALE



S-14
M9 - 6 PIN FEMALE - MALE 2 POWER + 4 SIGNAL



S-15
M10 - 6 PIN FEMALE - MALE



S-22
M12 CAT CABLE 4-8 PIN



S-23
M15 MALE 19 PIN CONNECTOR 90°



S-24
9 PIN DIN FEMALE - MALE CONNECTOR



S-16
M10 - 9 PIN FEMALE - MALE 3 POWER + 6 SIGNAL



S-17
M12 - 2-12 PIN FEMALE



S-18
M12 - 2-12 PIN MALE



S-25
2 PIN MAGNETIC CONNECTOR



S-26
4 PIN MAGNETIC CONNECTOR



S-27
5 PIN MAGNETIC CONNECTOR

OTHER PRODUCTS



OTHER PRODUCTS



O-01
USB PCB MOLD



O-02
FERRITTE
Ø17,50X28,8 mm



O-03
FERRITTE
Ø14X28,40 mm



O-04
FERRITTE
Ø16x16 mm



O-05
FERRITTE
Ø11,9x13 mm



O-06
CABLE SPLITTER
Ø16.70 mm



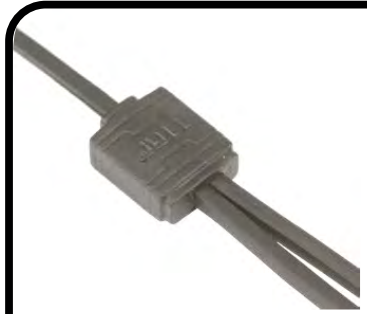
O-07
CABLE SPLITTER
Ø14,88 mm



WP-08
CABLE SPLITTER
Ø13,54 mm



O-09
CABLE SPLITTER
Ø9,90 mm



O-10
CABLE SPLITTER
OD:3,8 mm



O-11
CABLE SPLITTER



O-12
CABLE SPLITTER
OD:3,8X4 mm



O-19
VOLANS CABLE
HOLDER



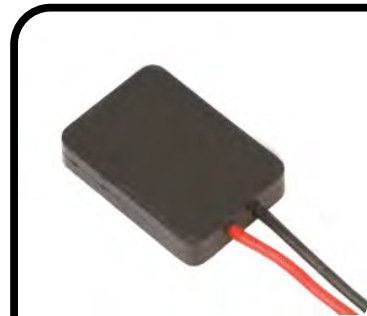
O-20
VOLANS 90°
CABLE HOLDER



O-13
GROMMET
OD:3,8 mm



O-14
CABLE GLAND
OD: 5,5 mm



O-15
SENSOR
LOW PRESSURE



O-16
GROMMET
90°



O-17
T SPLITTER
MODULE



O-18
T SPLITTER
MODULE

MACHINE LINE



MACHINE LINE



LOW-PRESSURE INJECTION MACHINE



VERTICAL INJECTION MACHINE



CNC SLIDING VENDING MACHINE



CNC



HORIZONTAL INJECTION MACHINE



LATHE



UNIVERSAL FREZE



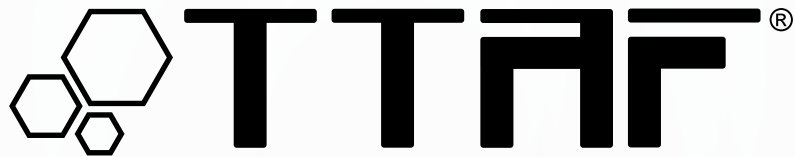
SURFACE GRINDING



SUBDUCTION EROSION



DRILL MACHINES



OVERMOLDING SOLUTIONS

2024-v2