



 **TTRF**[®]

A Company Of  **KUANTUM
HOLDING**

2024 v.1

TTAF was established in **Istanbul in 2003**. It operates in two main sectors: **Consumer Electronics and Energy Technologies**.

With its **200 employees**, **TTAF** serves its customers with superior technology, **high brand quality and dynamic human resources**.

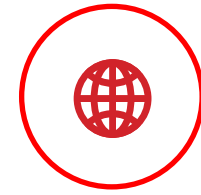
It works to improve living standards under the **leadership of technological discoveries** that shape modern life. It continues its work with the aim of becoming a global technology player in its fields.



+90 212 855 82 20(PBX)

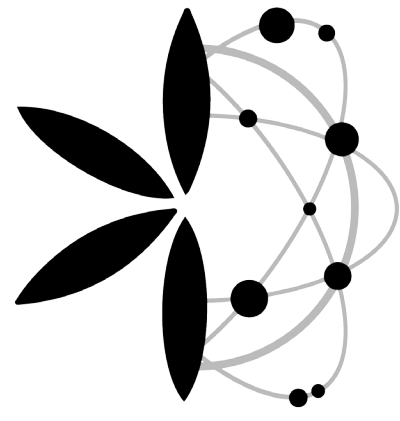


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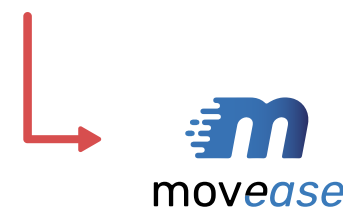
KUANTUM
HOLDING

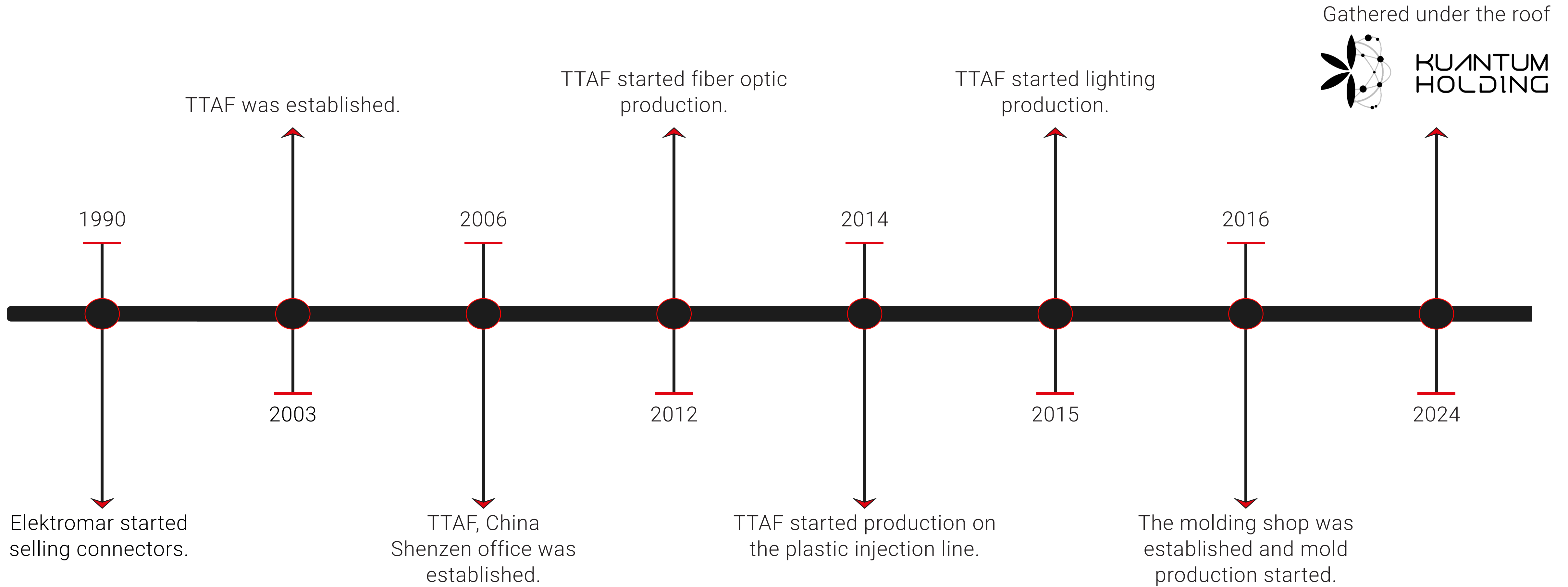


PANGEA



11
13 DesignStudio





PRODUCTION CAPABILITIES



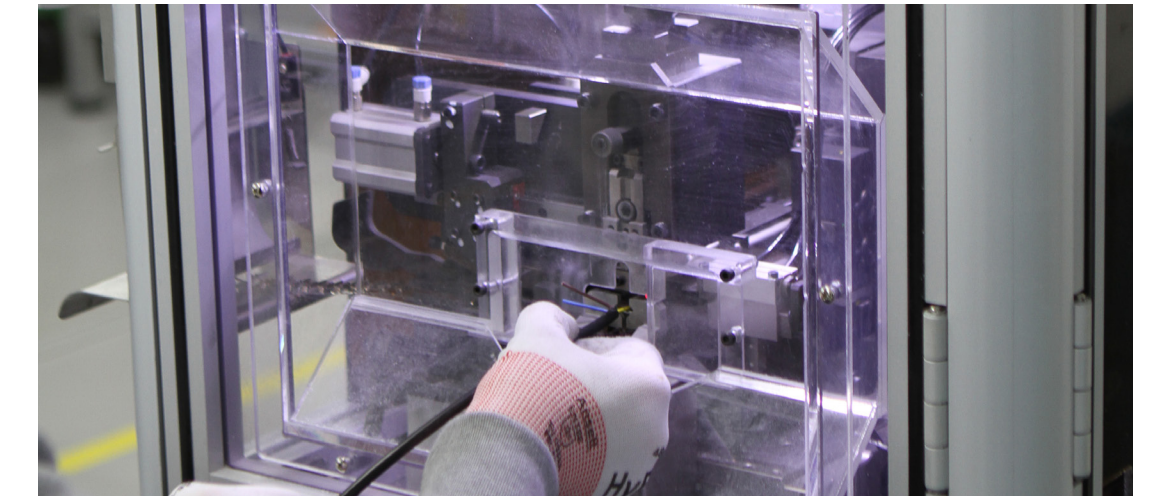
• Automatic Cable Cutting Terminal Crimping



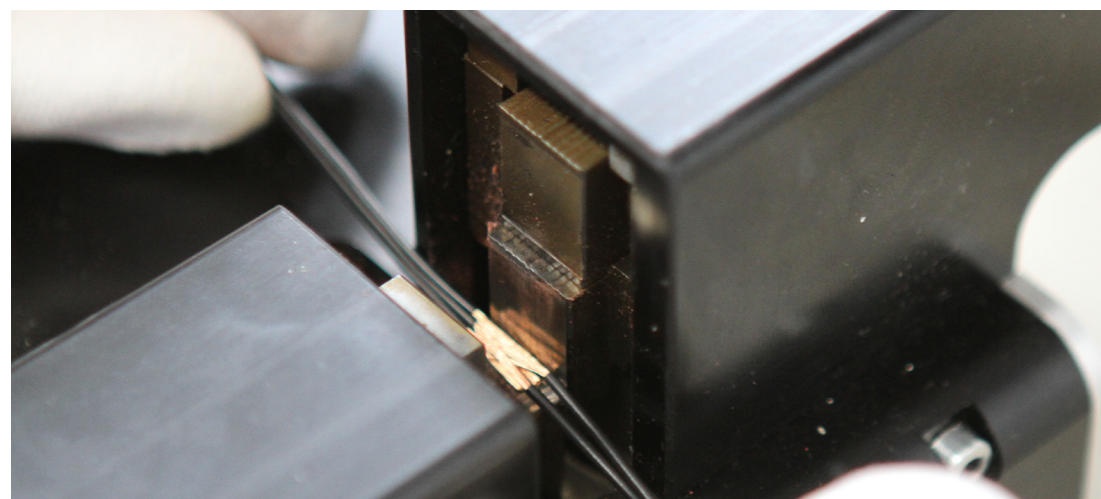
• Automatic Cable



• Epoxy Machine



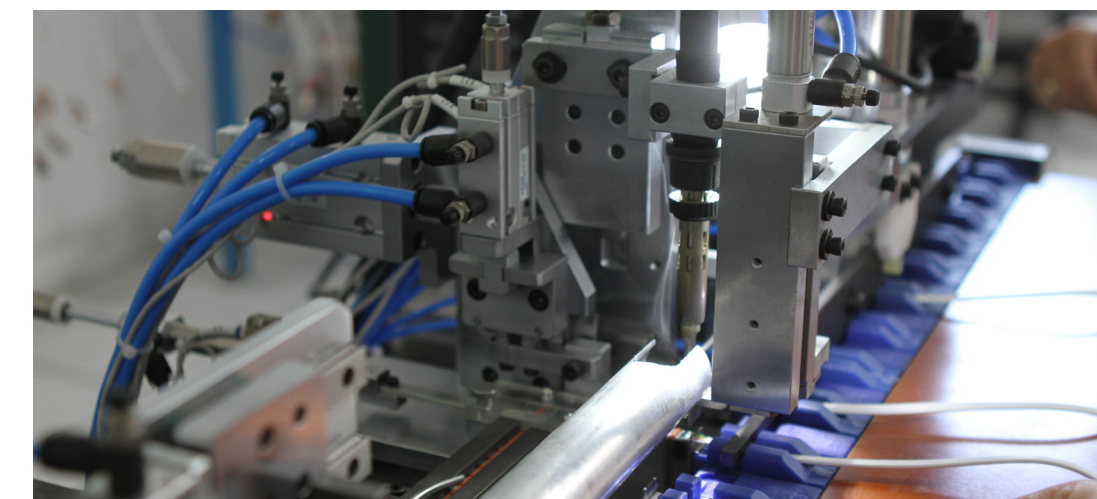
• Sealed Terminal Crimping



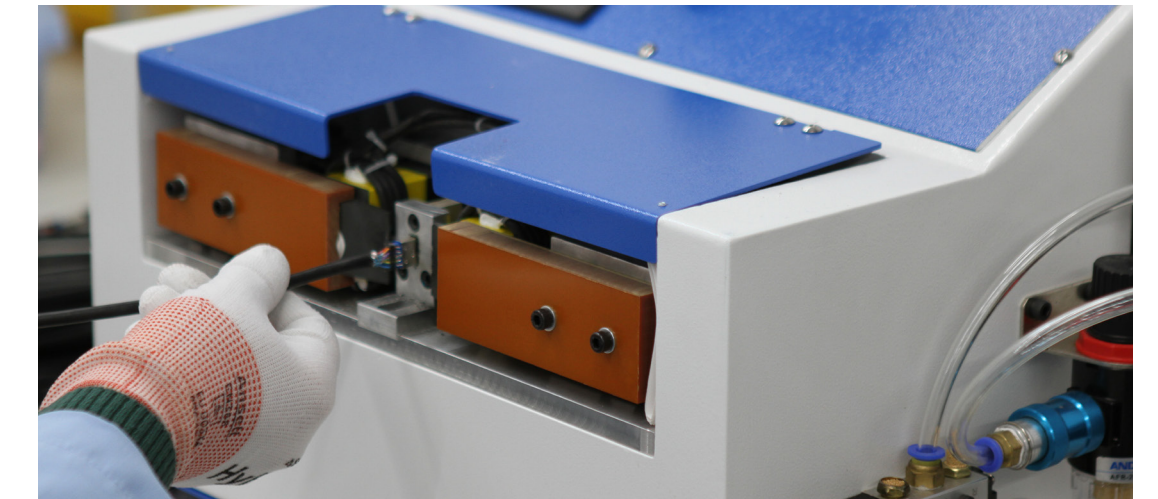
• Ultrasonic Welding



• T PCB Soldering



• Usb 2.0 Automatic



• Usb 3.0 Automatic Soldering

TEST CAPABILITIES



• Pressure Test Tank
(EN 60529 IP Test)



• Humidity And Temperature Test



• Electrical Test



• Water Spray Test
(EN 60529 IP Test)



• Sand And Dust Test
(EN 60529 IP Test)



Push And Pull Test



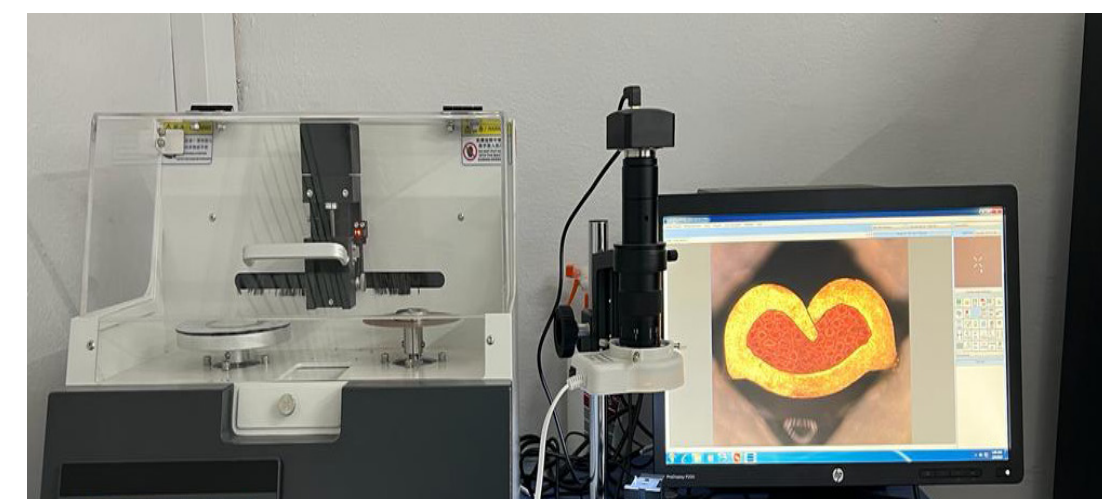
• Fiber Optic Digital Test



• UV Test Cabinet



• Cable Bending Test



• Terminal Crimping And Measuring
Test



• Visual Measurement System



• Terminal Pull Test

QUALITY STANDARDS

Our company is certified according to;
ISO 9001:2015 Quality,
ISO 14001:2015 Environment,
ISO 45001:2018 Occupational Health and
Safety Management Systems Standards.



PRODUCT GROUPS

Cable Assemblies



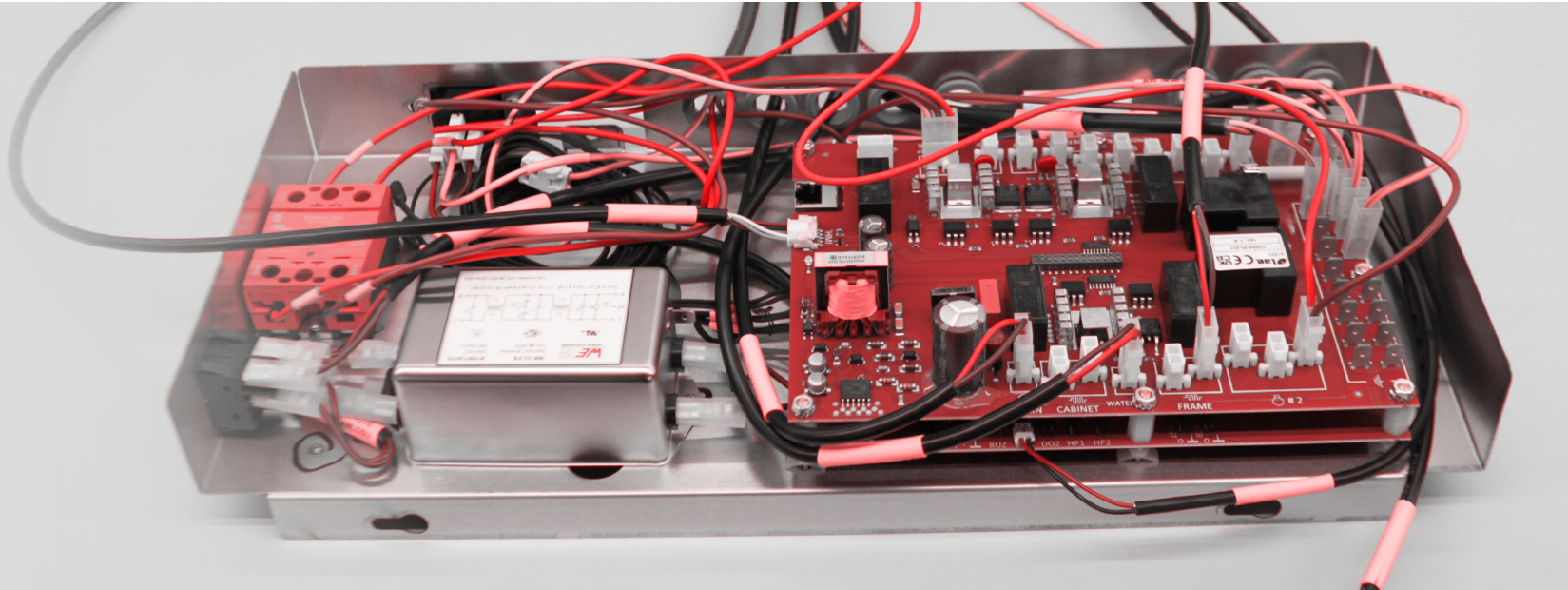
Overmolded Cables



Klemens Solutions



Box Built



Waterproof Interconnect Solutions



Sensor Solutions



INDUSTRIAL / CONSUMER

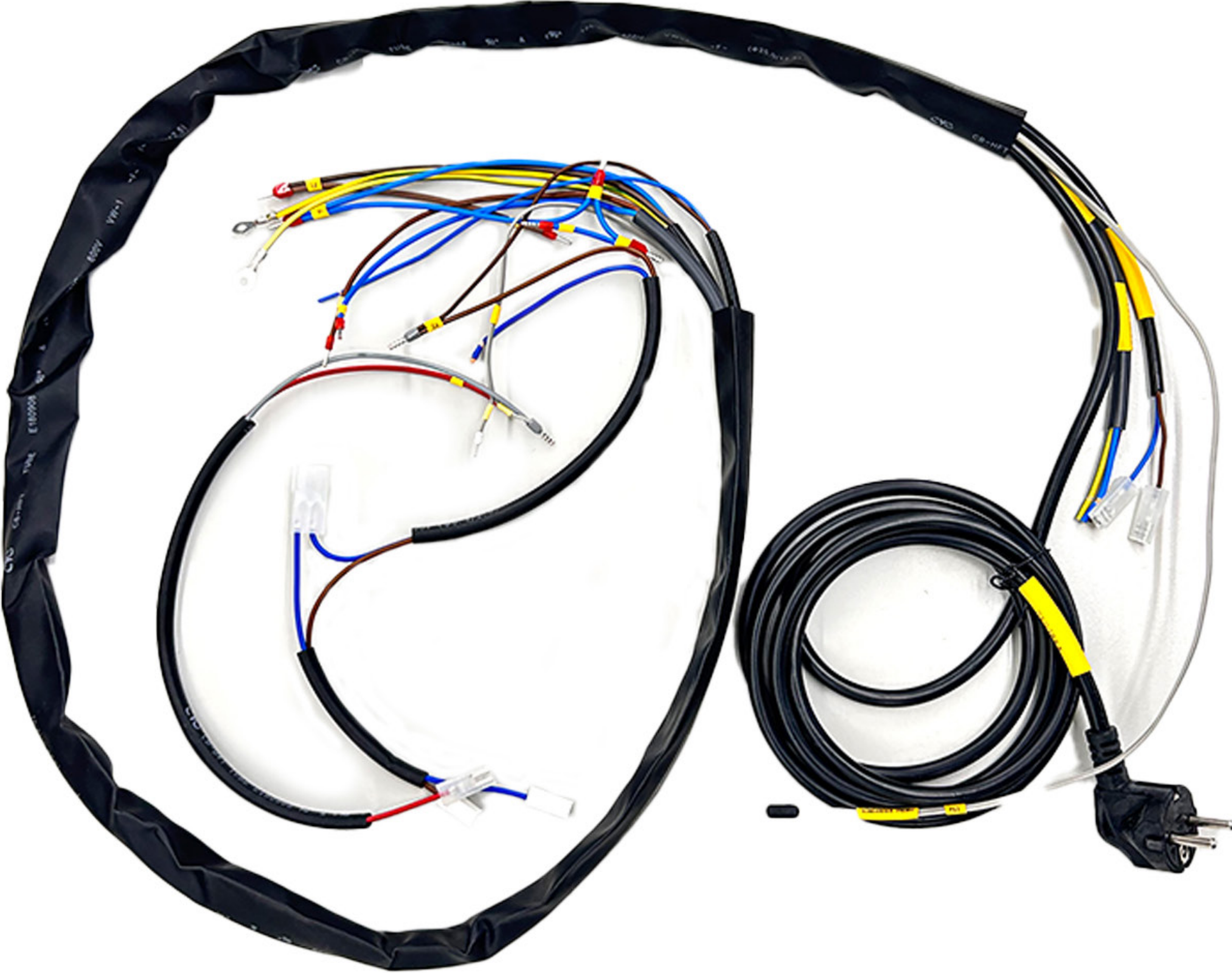
The industrial department carries out mechanical design, cable groupings and product assembly in line with the demands of its customers.



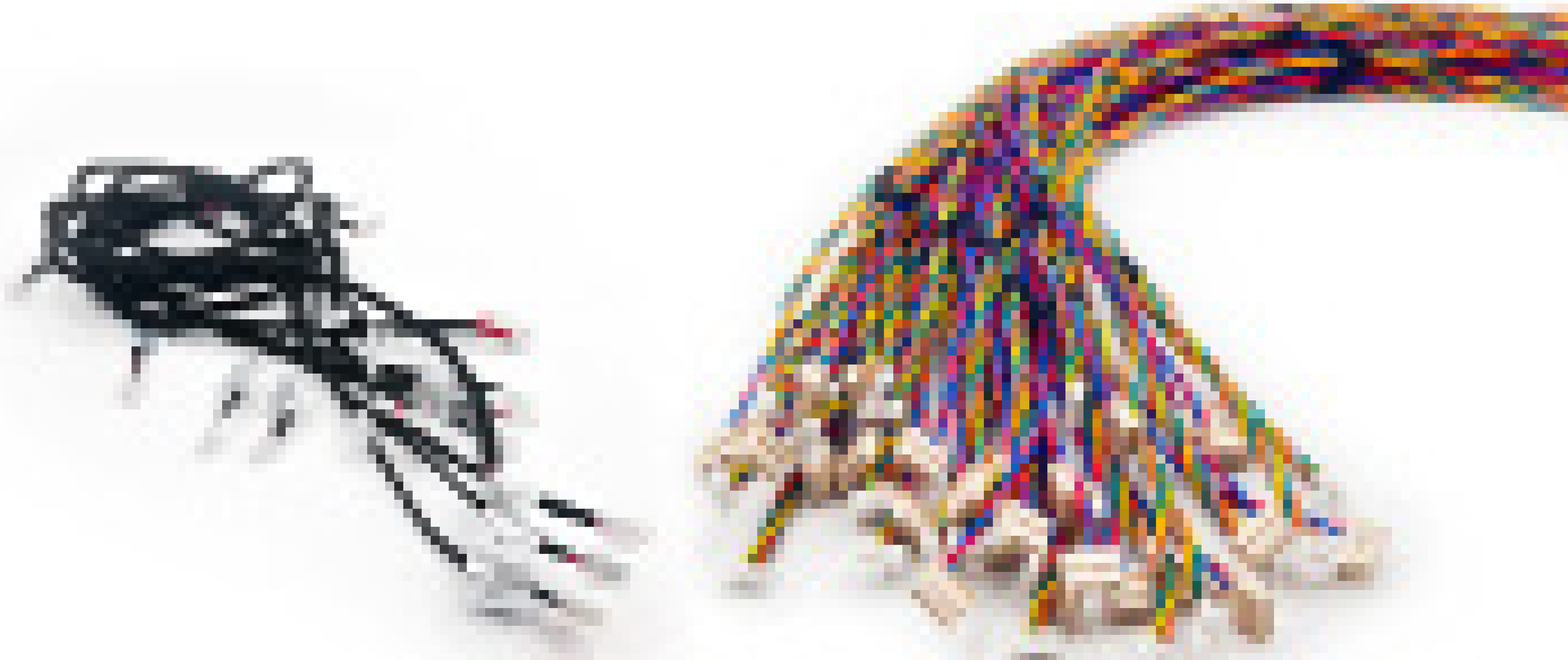
CABLE ASSEMBLIES



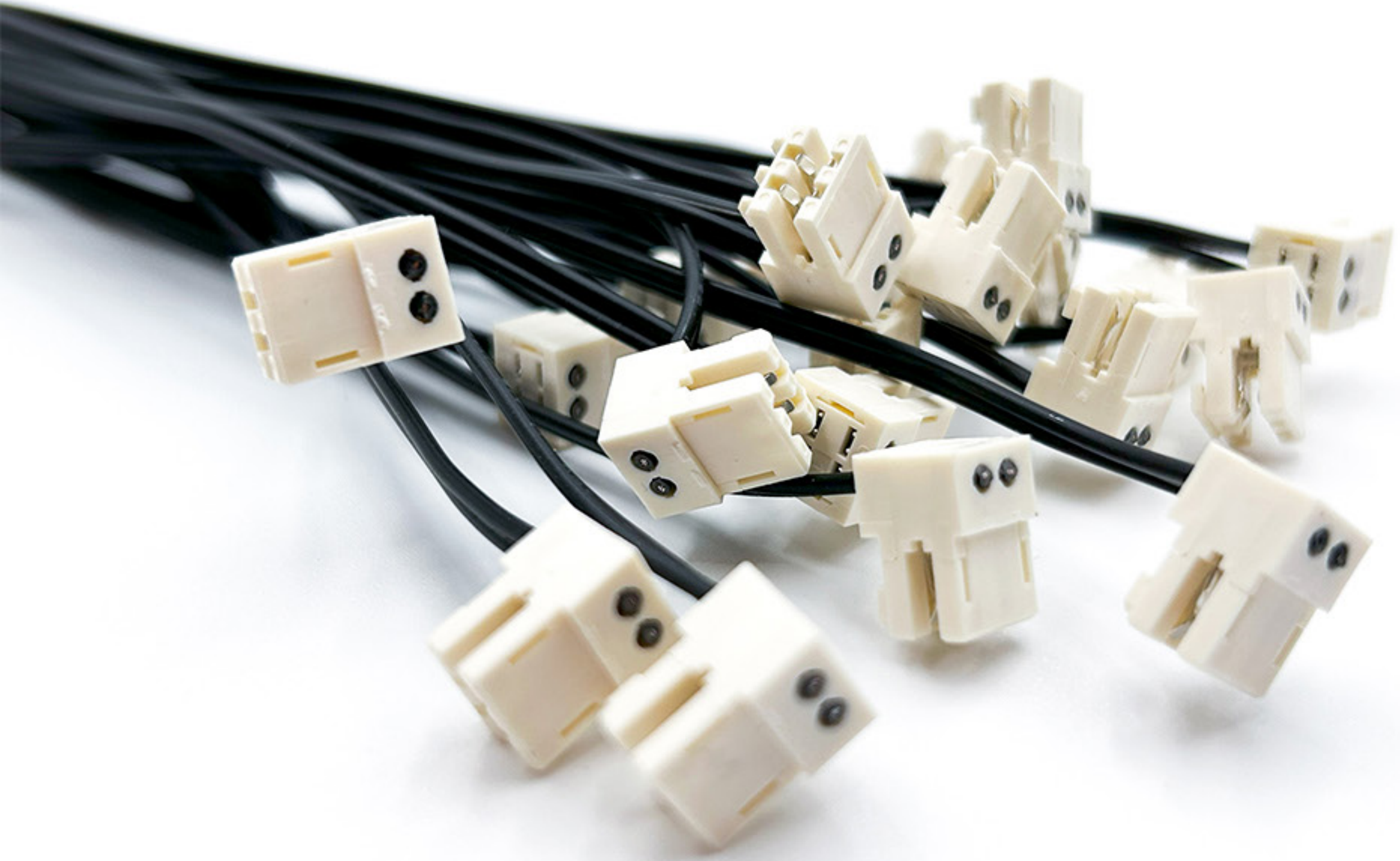
CABLE ASSEMBLIES



CABLE ASSEMBLIES



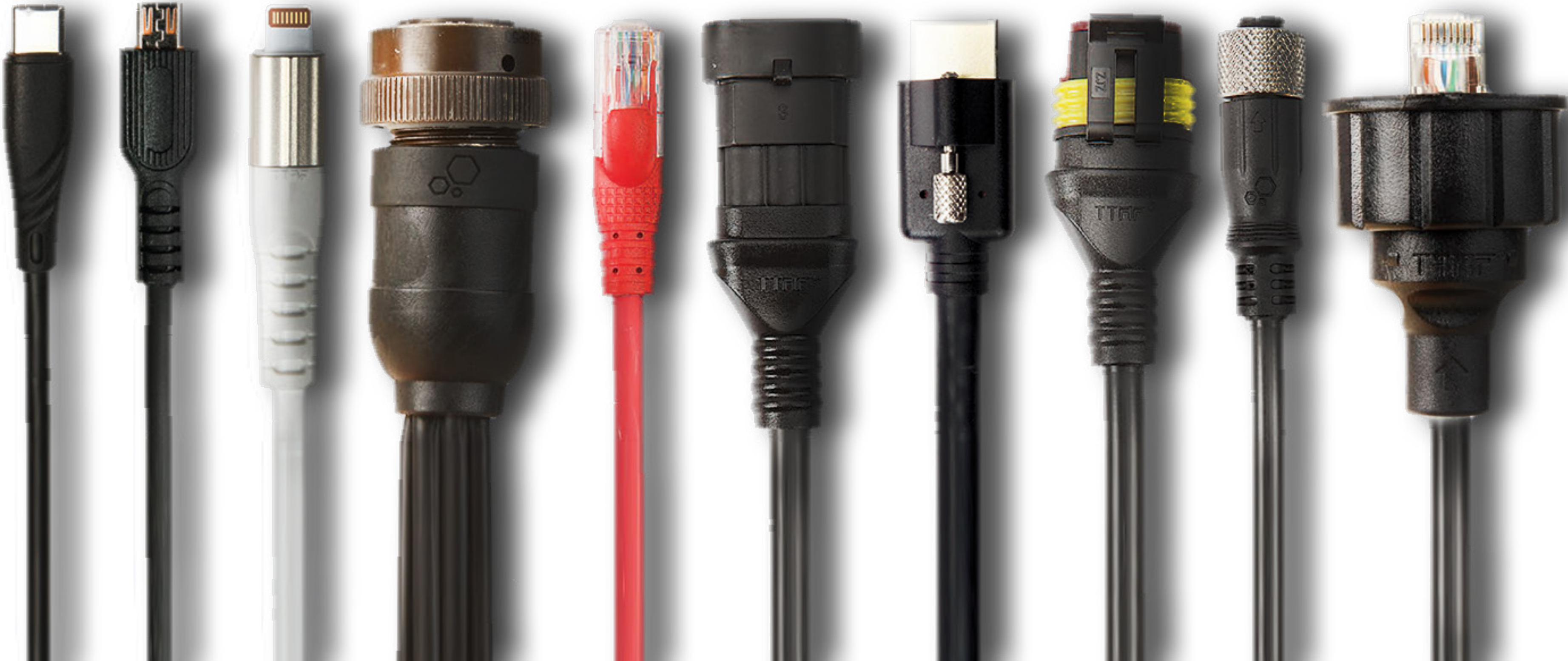
CABLE ASSEMBLIES



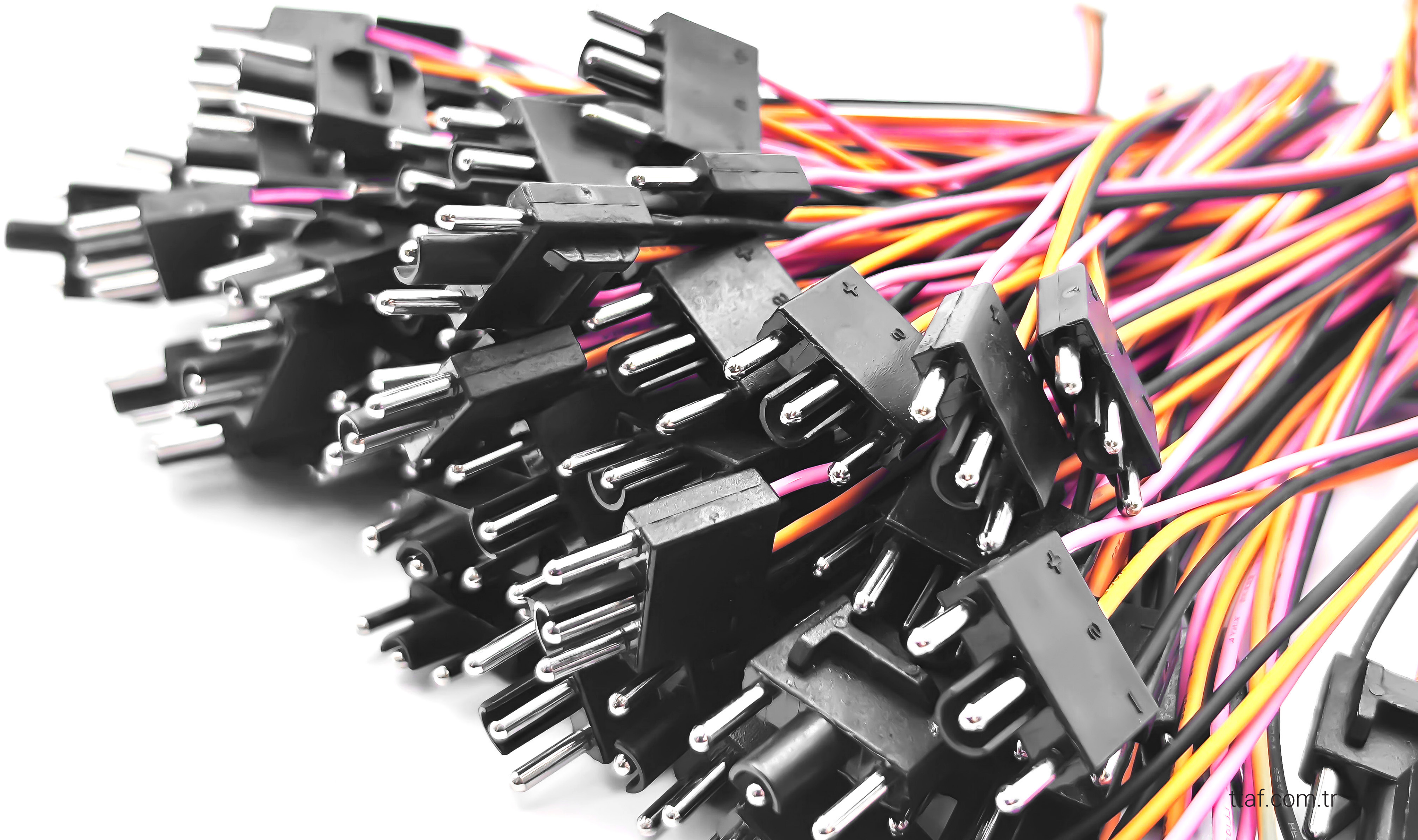
OVERMOLDED CABLE ASSEMBLIES



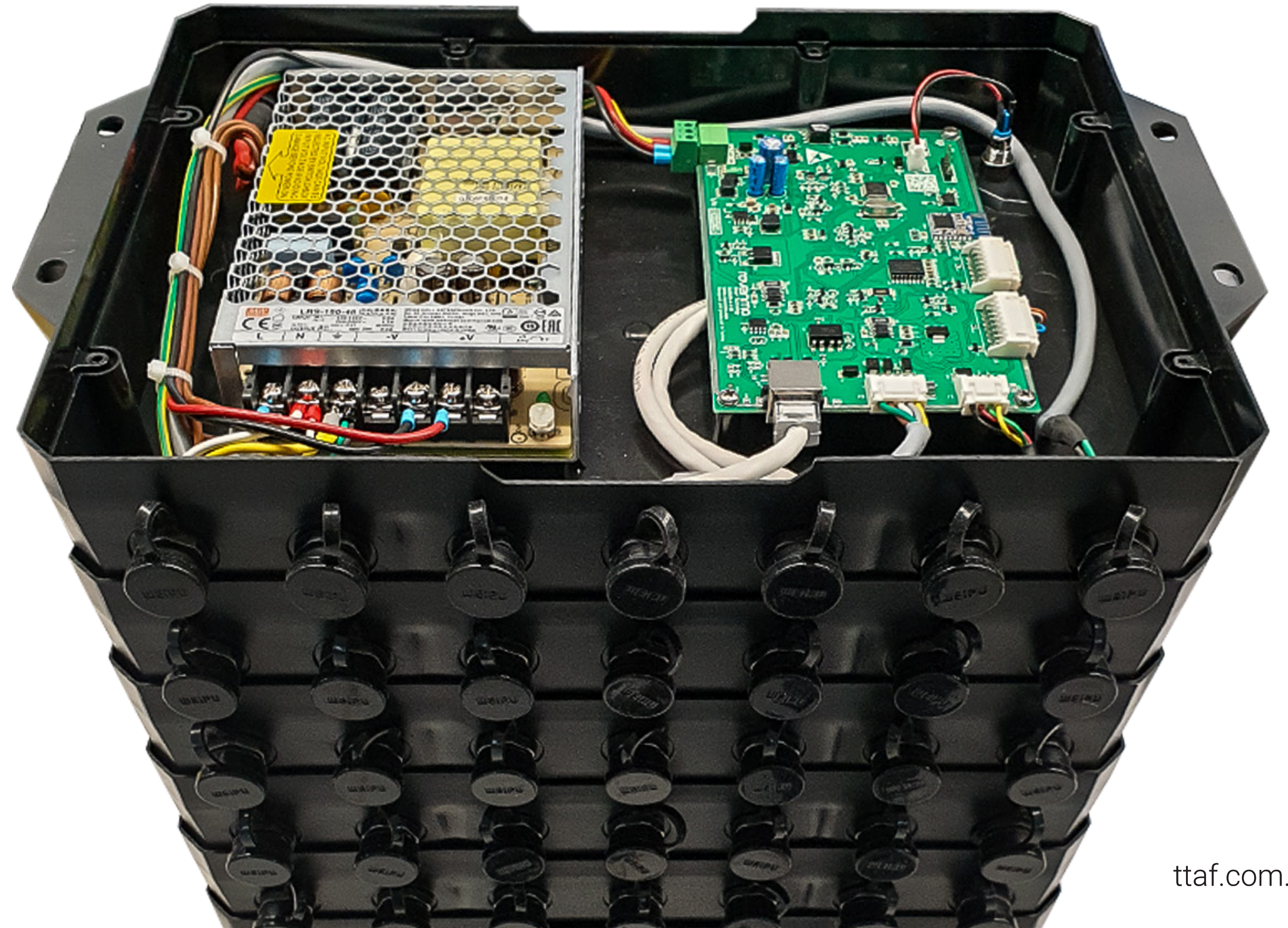
OVERMOLDED CABLE ASSEMBLIES



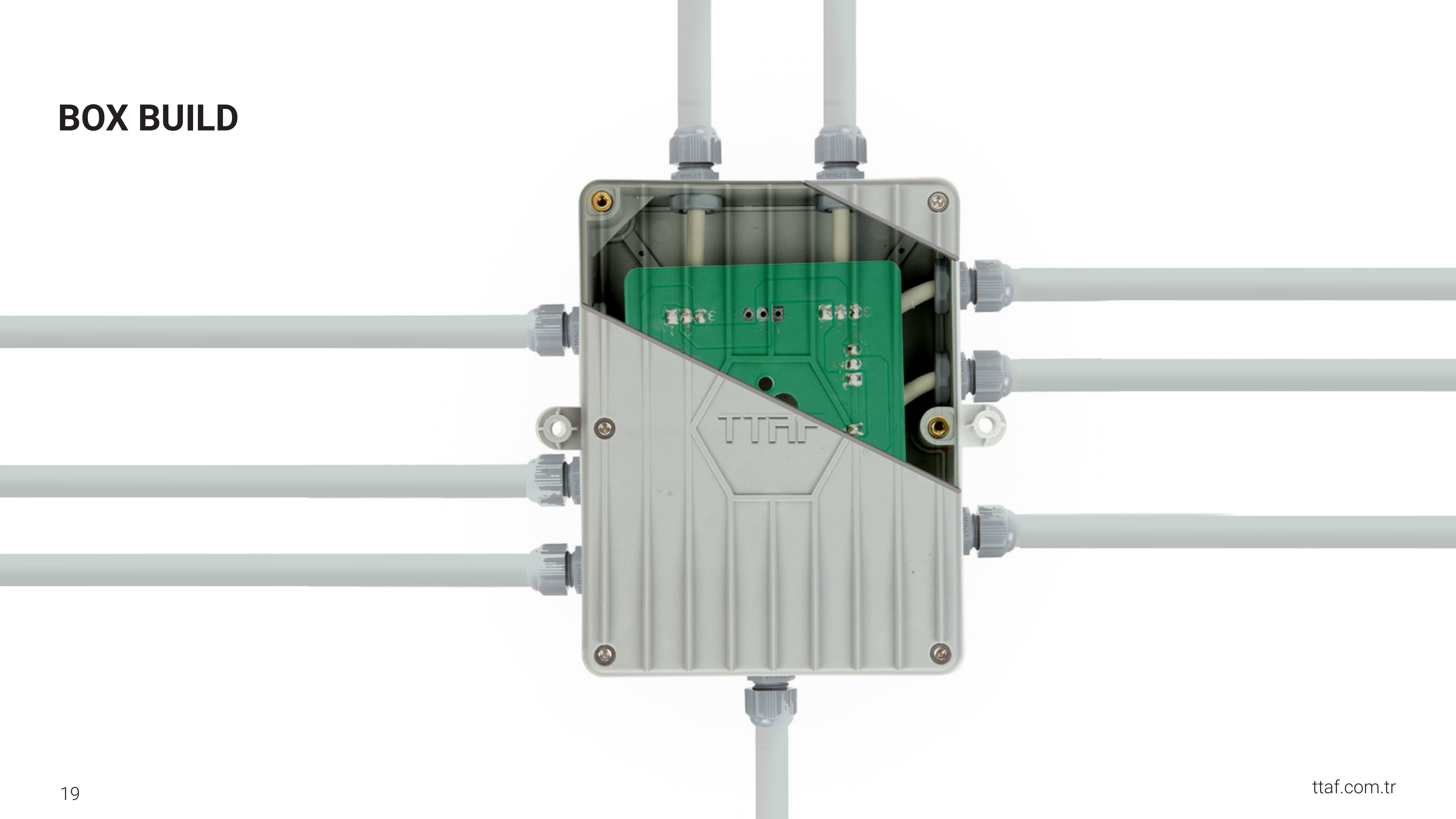
OVERMOLDED CABLE ASSEMBLIES



BOX BUILD



BOX BUILD



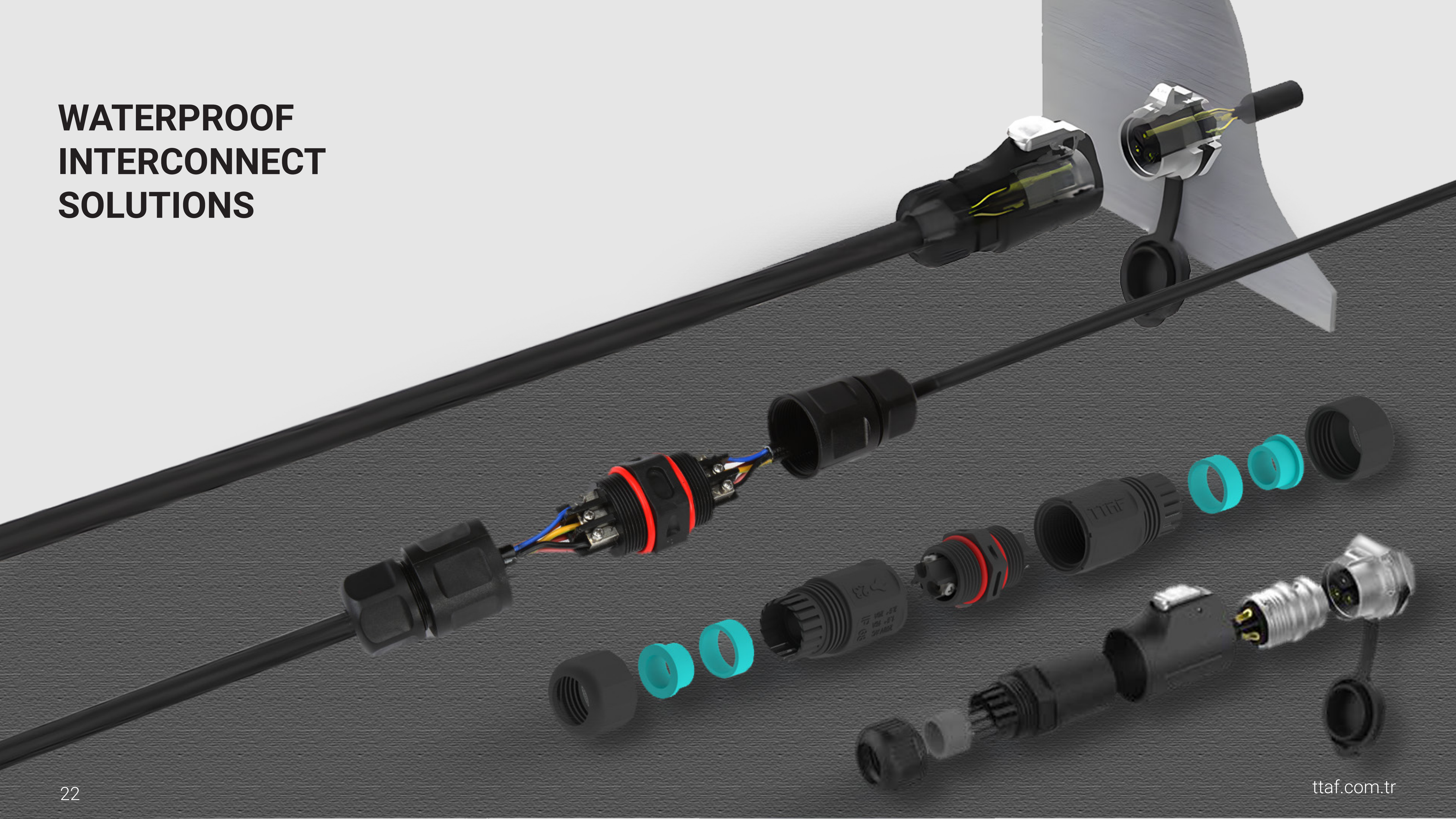
WATERPROOF INTERCONNECT SOLUTIONS



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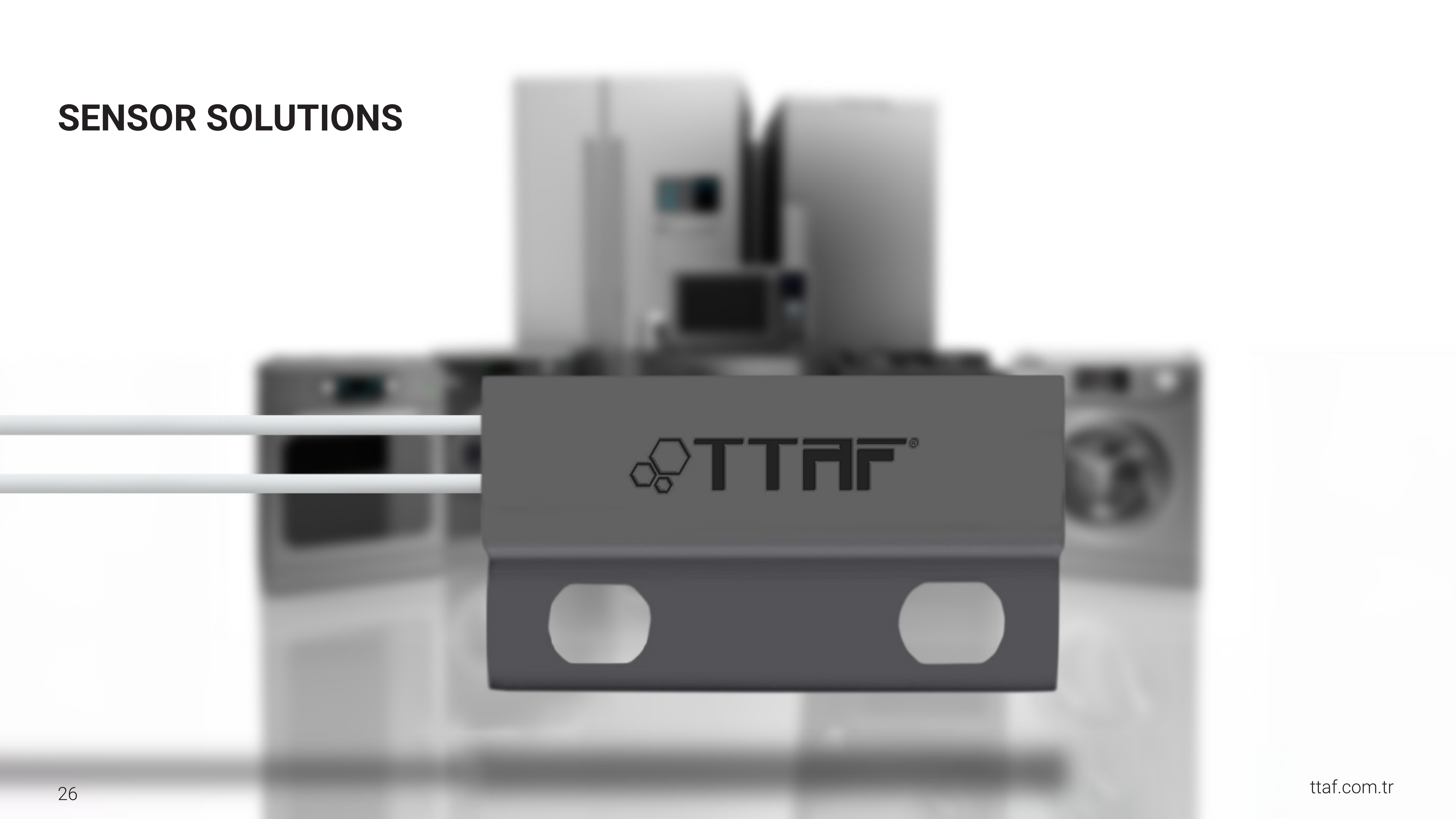
DATA, AUDIO AND SIGNAL CABLE ASSEMBLIES



DATA, AUDIO AND SIGNAL CABLE ASSEMBLIES



SENSOR SOLUTIONS

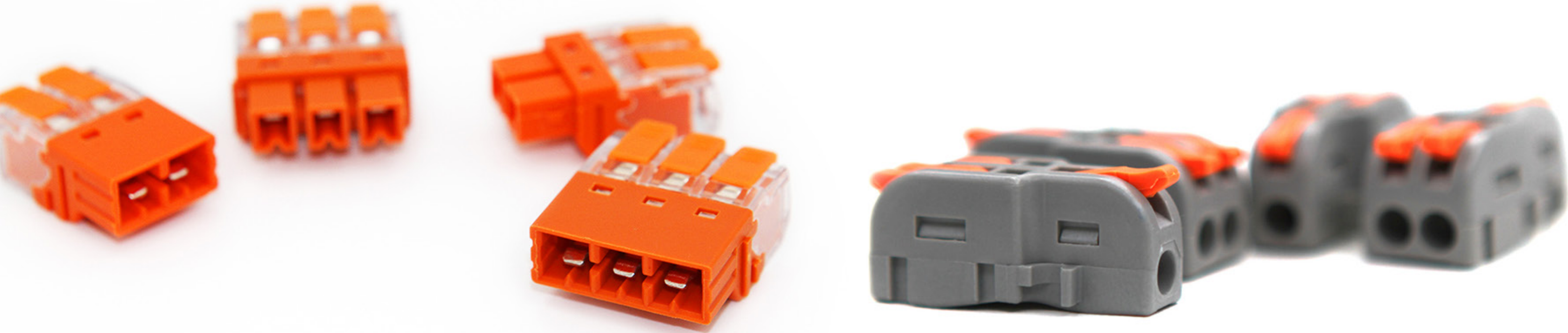


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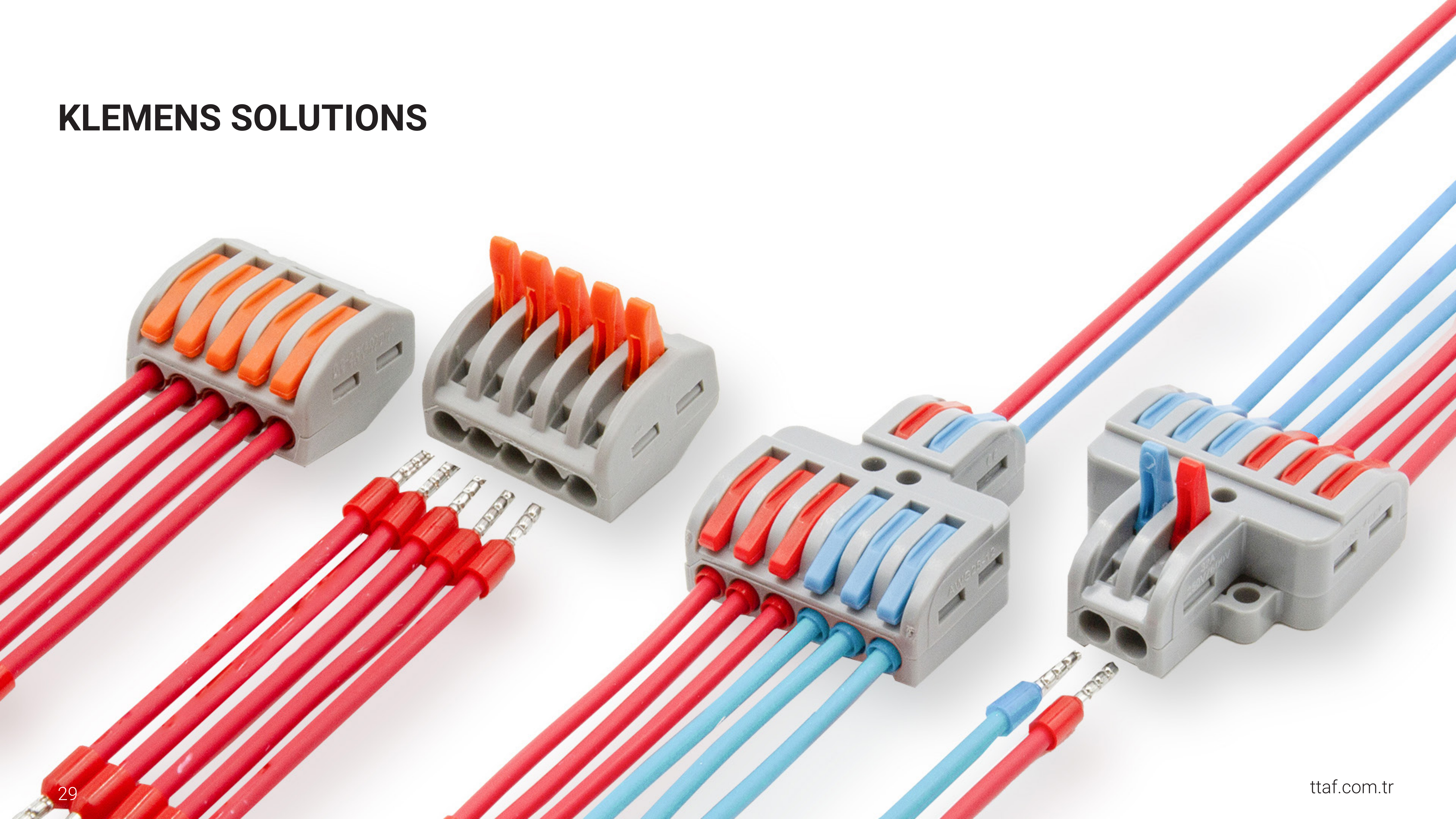
SENSOR SOLUTIONS



KLEMENS SOLUTIONS



KLEMENS SOLUTIONS





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