As a cabling solution manufacturer, Multimedia Connect produces all of its full twisted pair cable range, in TKH GROUP factories, ISO 9001 certified. The production centers are present all over Europe produce around 200,000Kms of twisted pairs cable, from the CAT5e to the CAT6.

To meet the standard specification and the high grade of network requirements, Multimedia Connect focuses production along two axes: quality and performance. For that, Multimedia Connect controls all the production line, from the insulation extrusion to the final quality control.

**PAIR ASSEMBLY MACHINE**

Our line production has assembly machine for the splitting pair:
- single twist machine for the unshielded assembly
- group twinner for shielded pair

These machines realize the splitting pair with a different step adjusted with an accuracy of micrometer in order to offer the best NEXT value possible.

**EXTRUSION LINE**

The extrusion line concerned the insulation of the copper wire and the jacketing. Extrusion is the result of a compound injection through die and tip in order to adjust the exact thickness of the plastic material.

For skin foam skin insulation a physical process will be used to create the foam insulation by pressuring Nitrogeine gaz in the material.
SHIELDING

The copper braid is ensured by a machine which will cross the copper wire to make a perfect coverage. The aluminum foil is putted during the assembly of the fours pairs (F/FTP, U/FTP) or during the jacketing (F/UTP).

QUALITY & CONTROL

To be sure about the quality of our product, we made a dimensional analyze of our cable and electrical test with a network analyzer to guarantee the best performance. The quality control is made before the shipment and also in our warehouse after the reception.
5254ARPE
U/FTP CAT6A ARMOURED 4 PAIRS CABLE PE JACKET

Benefits

Perfect solution for outdoor application:
The PE jacket offer a high protection against water, moisture and UV
Underground application thanks to the armor: high crush resistance and rodent protection
Cable tested up to 525MHz, exceed the CAT6A performance

APPLICATION

- Buried application
- All CAT6A outdoor link
- IP displaying

- IP security application: external IP camera
- Ethernet BaseT up to 10G
- Traffic control
This cable permits to extend the network in underground application in case of buried link or rodent environment. Thanks to the corrugated steel tape with a thickness of 0.2mm, this cable will support a crushing strength of 500N.

STANDARD
CABLE : IEC 61156-5 CAT6A
SYSTEM : TIA 568-C.2 CAT6A, ISO 11801 Ed2.2 Class Ea

ORDERING INFORMATION

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<tr>
<th>ITEMS</th>
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<th>PACKAGING</th>
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<tbody>
<tr>
<td>5254ARPE</td>
<td>CAT6A U/FTP armored cable 100 Ohm 4 pairs PE jacket</td>
<td>500m drum</td>
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5254 PEAM
U/FTP CAT6A AERIAL 4 PAIRS CABLE WITH MESSENGER PE JACKET

Benefits

Aerial application thanks to the messenger
Water and UV protection thanks to the PE jacket, cable suitable for outdoor application
Cable tested up to 525MHz, exceed the CAT6A performance

APPLICATION

- Aerial application: antenna
- Aerial CAT6A link
- IP security application: external IP camera
- Ethernet BaseT up to 10G
THANKS TO THE MESSENGER THIS CABLE HAS BEEN THE AERIAL LINK SOLUTION FOR OUR ISSUE IN SITE

This cable ensures the data transmission for aerial application. Thanks to a messenger composed with 7 steel wires will give to the cable a high rigidity.

STANDARD
CABLE : IEC 61156-5 CAT6A
SYSTEM : TIA 568-C.2 CAT6A, ISO 11801 Ed2.2 Class Ea

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<td>CAT6A U/FTP cable 100 Ohm 4 pairs PE jacket with messenger</td>
<td>500m drum</td>
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SF1200xSHINOUT
S/FTP CAT7A 4 PAIRS CABLE LSZH JACKET INDOOR/OUTDOOR

Benefits

Suitable for outdoor application thanks to a special LSZH water and UV resistant jacket
Suitable for indoor application: Free halogen jacket
High EMC thanks to an excellent double shielding, type S/FTP
Cable tested up to 1.2GHz, exceed the CAT7A performance

APPLICATION

- IP security application: External IP camera Full HD
- Ethernet link requires a big bandwidth
- Signal in UHF with frequency range up to 1.2GHz
- Environment with high interferences, as hospitals
- Smart metering (gaz, electricity...)
- S/FTP CAT6A outdoor application
- Ethernet BaseT up to 10G
- Outdoor IP displaying
The SF1200xSHINOUT is a CAT7A cable with a LSZH jacket chemically modified to ensure a protection against water. The copper braid and aluminum foil combined with a AWG22 copper diameter will offer a high electrical performance. This is a perfect solution for signal transmission with frequency up to 1.2GHz.

GOOD SOLUTION FOR ENVIRONMENT WITH HIGH INTERFERENCES THANKS TO THE DOUBLE SHIELDING

STANDARD
CABLE : IEC 61156-7 CAT7A
SYSTEM : ISO 11801 Ed2.2 Class Fa

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<td>S/FTP CAT7A cable 100Ohm 4 pairs LSZH jacket in/out</td>
<td>1000m drum</td>
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<tr>
<td>SF12008SHINOUT</td>
<td>S/FTP CAT7A cable 100Ohm 2x4 pairs LSZH jacket in/out</td>
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OTHER PRODUCT

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<tr>
<td>5254SHINOUT</td>
<td>CAT6A U/FTP cable 100 Ohm 4 pairs LSZH jacket in/out</td>
<td>500m drum</td>
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SF20004SH
S/FTP CAT8 4 PAIRS CABLE LSZH JACKET

Benefits

- CAT8.1 cable
- Dedicated for data center applications: 40GBaseT on 30m length
- High bandwidth of 2GHz
- High EMC thanks to a double shielding type S/FTP

APPLICATION

- Data Center application
- Video transmission Ultra HD, frequency up to 2GHz
- Ethernet BaseT up to 40G
The SF20004SH is a new CAT8 cable, which supports the 40GBaseT with a very high bandwidth of 2GHz. The special construction of this cable allows a transmission of very high rate up to 40Gbps, dedicated for the data center application. Tested with a balun-less brand new technology, it is delivered with an individual test report.

STANDARD
CABLE : IEC61156-9 CAT8.1
SYSTEM : TIA 568-C.2-1 CAT8, ISO 11801 Ed3 Class I

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<td>SF20004SH5</td>
<td>CAT8.1 S/FTP cable 100 Ohm 4 pairs LSZH jacket</td>
<td>500m drum</td>
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Benefits

CAT6A cable with high EMC thanks to a double shielding, type S/FTP
White color for discrete application such as hospitality

APPLICATION

- CAT6A link with high protection
- Environment where discrete application is required as: hotel, school or residential
- WIFI access point / waps 4G
- Ethernet BaseT up to 10G
The double shielding copper braid and individual foil give to the SF500xSHW cable a high EMC. It can be a perfect solution for all the CAT6A links which require a good electromagnetic protection. Added to a white color this cable is adapted to the environment where the discretion is required.

**STANDARD**

CABLE: IEC61156-5 CAT6A

SYSTEM: TIA 568-C.2 CAT6A, ISO 11801 Ed2.2 Class Ea

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<td>S/FTP CAT6A cable 100 Ohm 4 pairs LSZH white jacket</td>
<td>500m drum</td>
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U500L4SH
U/UTP CAT6A 4 PAIRS CABLE LSZH JACKET *Link certified*

**Benefits**
- UTP CAT6A cable with small external diameter
- Specific internal cross for Xtalk compensation

**APPLICATION**
- CAT6A UTP link
- Ethernet BaseT up to 10G
- Environment without many interferences (building, offices, ...)

**Environment**
- CAT6A UTP link
- Ethernet BaseT up to 10G
- Environment without many interferences (building, offices, ...)

**Features**
- AWG23
- PE cross
- LSZH jacket
- PE cross
The U500L4SH is a CAT6A UTP cable with a small external diameter will made the installation easiest and discrete. The internal cross will ensure the Xtalk compensation and offer the CAT6A performance.

STANDARD
CABLE : IEC61156-5 CAT6A
SYSTEM : TIA 568-C.2 CAT6A, ISO 11801 Ed2.2 Class Ea

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<td>U500L4SH</td>
<td>UTP CAT6A cable 100Ohm 4 pairs LSZH jacket</td>
<td>500m drum</td>
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<tr>
<td>U5104SH</td>
<td>UTP CAT6A cable 100 Ohm 4 pairs LSZH jacket</td>
<td>1000m &amp; 500m drum</td>
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