The main application of the SYNTAX® MAINFLEX cable is in lighting technology and other current-carrying circuits. The strand construction has been designed to get the best flexibility with a wide range of external temperatures. This cable has good impact absorbing properties and the external jacket is compliant with CEE 20-22/III - IEC 60332-3-24 - EN 50266-2-4 regulations. In the 7ZF0325 cable the 11.3 mm overall diameter is intended to grant IP67 protection when the cable is used with the six-way rubber grommet of our SYNTAX SSX 19 pin Spider connector, for break-in and break-out leads.

### CABLE DETAILS
- **Jacket:** Black matt PVC flame retardant
- **Resistances of conductors:** IEC 60344
- **Insulation resistance:** > 200 MΩ/Km
- **Operating Voltage:** 450/750 V
- **Temperature range:** -30°C +70°C

### MAINS POWER CABLE

<table>
<thead>
<tr>
<th>P. Number</th>
<th>Cores</th>
<th>Inner conductors</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>7ZF0325</td>
<td>3x2.5 mm²</td>
<td>Brown-Blue-Green/Yellow</td>
<td>Ø 11.3 mm</td>
</tr>
<tr>
<td>7ZF0340</td>
<td>3x4 mm²</td>
<td>Brown-Blue-Green/Yellow</td>
<td>Ø 13.0 mm</td>
</tr>
<tr>
<td>7ZF0360</td>
<td>3x6 mm²</td>
<td>Brown-Blue-Green/Yellow</td>
<td>Ø 14.0 mm</td>
</tr>
<tr>
<td>7ZF0525</td>
<td>5x2.5 mm²</td>
<td>Brown-Blue-Black-Grey-Green/Yellow</td>
<td>Ø 12.5 mm</td>
</tr>
<tr>
<td>7ZF0540</td>
<td>5x4 mm²</td>
<td>Brown-Blue-Black-Grey-Green/Yellow</td>
<td>Ø 15.0 mm</td>
</tr>
<tr>
<td>7ZF0560</td>
<td>5x6 mm²</td>
<td>Brown-Blue-Black-Grey-Green/Yellow</td>
<td>Ø 16.0 mm</td>
</tr>
</tbody>
</table>

### MOTOR POWER SUPPLY

The cable 7ZF0425M motor power supply, is the right solution for managing the three-phase motors used for the lifting of aluminum trusses or specific equipments in the exhibition’s world and entertainment market.

The three phases are identified by the number placed on the sheath of the inner conductors while the yellow-green wire is used for grounding. The conductors have a cross section of 2.5 mm² that allows you to manage high power.

The outer jacket is flexible black PVC, flame retardant comply with IEC 60332-3-24 - EN 50266-2-4

### CABLE DETAILS
- **Conductors:** 3 x 2.5 mm² black PVC numbered
- **Jacket:** Black matt PVC Ø 12.2 mm
- **Resistance of conductors:** IEC 60344
- **Insulation resistance:** > 200 MΩ/Km
- **Operating Voltage:** 450/750 V
- **Temperature range:** -30°C +70°C
These SYNTAX® MULTICORE POWER cables are manufactured with a flexible and impact absorbing external jacket, compliant with CEE 20-22/III - IEC 60332-3-24 - EN 50266-2-4 fire resistant regulations. Thanks to the particular distribution of the inner conductors, the SYNTAX® MULTICORE POWER cables are anti-knotting and have excellent flexibility, handling, mechanical resistance and easy winding characteristics. They are also suitable for continuous rolling/unrolling either in indoor or outdoor use. Designed for lighting applications, it perfectly matches with our 19 pin SSX power connector series.

**Part N.** | **CABLES** | **Cable Details**
---|---|---
7ZF1915T | 19 x 1.5 mm² - 18 numbered jackets + Green/Yellow | Ø 18.0 mm
7ZF1925T | 19 x 2.5 mm² - 18 numbered jackets + Green/Yellow | Ø 22.3 mm
7ZF1225T | 12 x 2.5 mm² - 11 numbered jackets + Green/Yellow | Ø 18.0 mm

**ELECTRICAL DETAIL**
- Resistance of conductors: IEC 60344
- Insulation resistance: > 200 MΩ/Km
- Operating Voltage: 450/750 V
- Temperature range: -30°C +70°C

Another version of the 19x2.5 Power Multicore, designed for usage when handling operations are very intensive. The six channels are easily recognizable by color and numbering. The particular distribution of the inner cables and the material used for the external jacket allow many rolling and unrolling cycles, without any problems for the cable lifespan. The PVC black jacket comply with CEE 20-22/III - IEC 60332-3-24 - EN 50266-2-4 fire resistant regulations.

**ELECTRICAL DETAIL**
- Resistance of conductors: IEC 60344
- Insulation resistance: > 200 MΩ/Km
- Operating Voltage: 450/750 V
- Temperature range: -30°C +70°C

This version of 19x2.5 Power Multicore is intended for usage when halogen-free cable is requested. The particular distribution of the inner cables and Polyuretan jacket (PUR), provides high shear strength and extremely long lifespan, despite the smaller thickness of the cable sheath. The several advantages are: slim cable for easier handling, less total weight and compliance with halogen-free norms, thanks to the PUR native features. External overall diameter 18 mm, weight 0.62 kg/mt, good flexibility.

**ELECTRICAL DETAIL**
- Resistance of conductors: IEC 60344
- Insulation resistance: > 200 MΩ/Km
- Operating Voltage: 300/500 V
- Temperature range: -40°C +80°C