

ENERGY CABLES

MAIN POWER CABLE



7ZF0325

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. 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

- Conductors:	3 x 2.5 mm ² Brown-Blue-Green/Yellow
- Jacket:	Black matt PVC Ø 11.3 mm
- Resistance of conductors:	IEC 60344
- Insulation resistance:	> 200 MΩ/Km
- Operating Voltage:	450/750 V
- Temperature range:	-30°C +70°C

Some other versions

Model	Conductors	Inner Conductors	Ø
7ZF0340	3x4 mm ²	Brown-Blue-Green/Yellow inner conductors	Ø 13.0 mm
7ZF0360	3x6 mm ²	Brown-Blue-Green/Yellow inner conductors	Ø 14.0 mm
7ZF0525	5x2.5 mm ²	Brown-Blue-Black-Grey-Green/Yellow	Ø 12.5 mm
7ZF0540	5x4 mm ²	Brown-Blue-Black-Grey-Green/Yellow	Ø 15.0 mm
7ZF0560	5x6 mm ²	Brown-Blue-Black-Grey-Green/Yellow	Ø 16.0 mm

MOTOR POWER SUPPLY



7ZF0425M

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:	3x2.5 mm ² numbered+Green/Yellow
- 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

MULTICORE POWER CABLE

7ZF...ST



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	
7ZF1915T	19 poles x 1.5 mm ² - 18 numbered jackets + Green/Yellow	Ø 18,0 mm
7ZF1925T	19 poles x 2.5 mm ² - 18 numbered jackets + Green/Yellow	Ø 22,3 mm
7ZF1225T	12 poles x 2.5 mm ² - 11 numbered jackets + Green/Yellow	Ø 18,0 mm

7ZF1925HP



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

7ZF1925PUR - 7ZF1915PUR



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