



TINMAR INVER

CATALOGUE



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CPR: Cca, -s1a,a1,d1

Reference Numbers:

002-1051502	2x1.5	mm ²
002-1051002	2X1.0	mm ²
002-1051525	2x2.5	mm ²

Standards and Compliance:

EN 50575
EN 60332-1-2
EN 50399:2012
EN 61034-2
60754-2
RoHS Compliant



DETECFIRE TWISTED DATASHEET (AS)

Description:

Cost-effective twisted multicore cable, specifically designed for fire detection, signaling, and public address (PA) systems. The twisted-pair construction streamlines installation and ensures superior performance by minimizing crosstalk between conductors.

PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1.0/1.5/2.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** Red, Black
- **Core Diameter:** 2.8 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Bend Radius: 6 x Overall Ø

ELECTRICAL CHARACTERISTICS:

Nominal Voltage: 300V

Operating Temperature: -10°C/+70°C

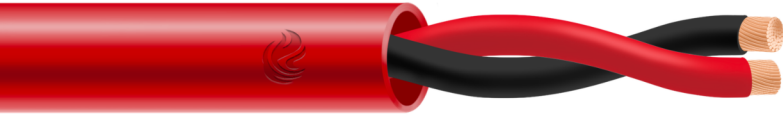




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DETECFIRE COM YY DATASHEET Z1Z1-K (AS)

Description:

For indoor installations where protecting human health and facilitating evacuation in the event of a fire is either recommended or mandatory. The LSZH (Low Smoke Zero Halogen) thermoplastic polyolefin insulation ensures excellent fire performance, significantly reducing fire spread.

CPR: Cca -s1a, d1, a1

Reference Numbers:

002-1051501	2x1.0	mm ²
002-1051601	2x1.5	mm ²
002-1051701	2x2.5	mm ²

Standards and Compliance:

UNE EN 50575/A1:2016
UNE EN 60332-1-2
IEC EN 60754-2
IEC 61034-2
IEC 60228
RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1/1.5/2.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** Red, Black
- **Core Diameter:** 2.8 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Jacket: LSZH EVA Polyolefin

- **Color:** Red

Overall Diameter: 7.8/8.8 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 86 pF/m

Characteristic Impedance: 120 Ω ±10%

Operating Voltage: 300V/500V

Operating Temperature: -20°C/+70°C

Test Voltage: 2000V DC > 1 Min

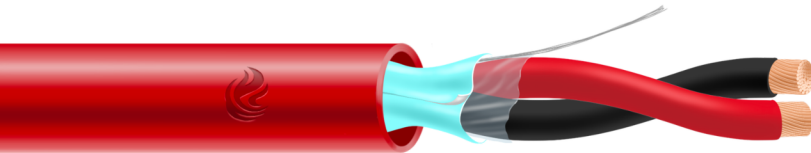




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CPR: B2ca, -s1a,d0,a1

Reference Numbers:

002-1061002	2x1.0	mm ²
002-1061502	2x1.5	mm ²
002-1062502	2x2.5	mm ²

Standards and Compliance:

UNE EN 50575/A1:2016
UNE EN 60332-1-2
UNE EN 50399:2012
UNE EN 61034-2
UNE EN 60754-2
IEC 60228
RoHS Compliant



DETECFIRE COM DATASHEET Z10Z1-K (AS)

Description:

Flexible LSZH multicore cable, specifically designed for fire detection, public address (PA), and emergency lighting systems. It features an overall shield to ensure superior protection against electromagnetic interference (EMI) and crosstalk.

PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1/1.5/2.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** Red, Black; Brown, Yellow
- **Core Diameter:** 2.8 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** Red

Overall Diameter: 7.8/8.8 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 86 pF/m

Characteristic Impedance: 120 Ω ±10%

Operating Voltage: 500V

Operating Temperature: -20°C/+70°C

Test Voltage: 2000V DC > 1 Min

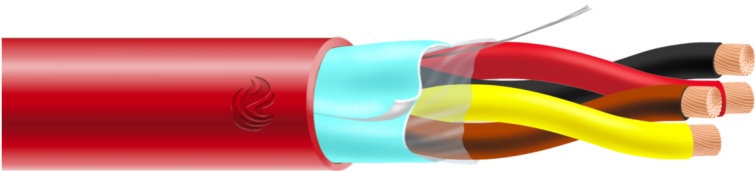




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DETECFIRE COM DATASHEET Z10Z1-K (AS)

Description:

Flexible LSZH multicore cable, specifically designed for fire detection, public address (PA), and emergency lighting systems. It features an overall shield to ensure superior protection against electromagnetic interference (EMI) and crosstalk.

CPR: B2ca, -s1a,d0,a1

Reference Numbers:

002-1061604 2x2x1.5 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

IEC 60228

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** Red, Black; Brown, Yellow
- **Core Diameter:** 2.8 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** Red

Overall Diameter: 8.8 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 86 pF/m

Characteristic Impedance: 120 Ω ±10%

Operating Voltage: 500V

Operating Temperature: -20°C/+70°C

Test Voltage: 2000V DC > 1 Min

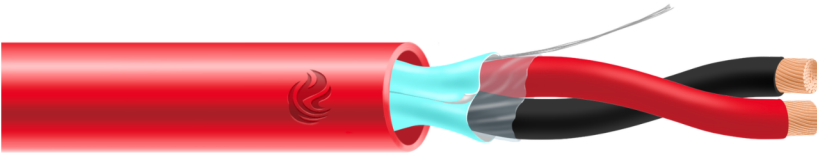




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CPR: Cca -s1a, d1, a1

Reference Numbers:

002-1071002	2x1.0	mm ²
002-1071502	2x1.5	mm ²
002-1072502	2x2.5	mm ²

Standards and Compliance:

- UNE EN 50200
- UNE EN 211025
- UNE EN 50575
- UNE EN 13501-6
- UNE EN 60332-3
- IEC 60332-1-2
- IEC 61034-2
- IEC 60754-1
- IEC 60754-2
- IEC 60331 FE 180
- RoHS Compliant

DETECFIRE LIMIT DATASHEET SOZ1-K (AS+)

FR120' CABLE FE180

Description:

Fire Resistant Cable, generally used for fire detection, public address (PA), and emergency lighting systems. These cables are engineered to maintain circuit integrity and continue operating for a period of 120 minutes under direct fire conditions.

Testing:

- 120' at 850°C as per UNE 50200 test **(CEL 1009/19.1)**
- 120' at 800°C as per UNE 60331 test **(APPLUS 22/32301471)**



PHYSICAL CHARACTERISTICS:

- Conductor:** Class 5 Flexible Copper (IEC 60228)
 - **Cross Section:** 1.0/1.5/2.5 mm²
- Insulation:** FR 120' Ceramifying Silicone Elastomer, Class CR1
 - **Color:** Red, Black;Brown, Yellow
 - **Core Diameter:** 3.0 mm
- Twist Rate:** Twisted Pair ≥ 25 twists/m
- Shield:** Aluminum Mylar Tape
- Drain Wire:** Stranded Tinned Copper
- Jacket:** LSZH Polyolefin
 - **Color:** Red
- Overall Diameter:** 7.8/8.3/9.1 mm

ELECTRICAL CHARACTERISTICS:

- Capacitance:** 86 pF/m
- Characteristic Impedance:** 90 Ω ±10%
- Operating Voltage:** 300V/500V
- Operating Temperature:** -20°C/+90°C
- Conductor Resistance:** 20/14.3/9.2 Ω/Km
- Insulation Resistance:** MΩ/100mts = 300
- Test Voltage:** 2000V DC > 1 Min
- Velocity of Propagation:** < 70%

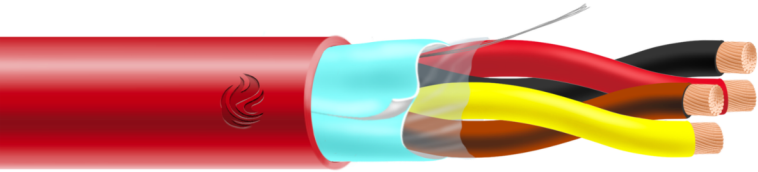




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DETECFIRE LIMIT DATASHEET SOZ1-K (AS+)

FR120' CABLE FE180

Description:

Fire Resistant Cable, generally used for fire detection, public address (PA), and emergency lighting systems. These cables are engineered to maintain circuit integrity and continue operating for a period of 120 minutes under direct fire conditions.

Testing:

120' at 850°C as per UNE 50200 test **(CEL 1009/19.1)**

120' at 800°C as per UNE 60331 test **(APPLUS 22/32301471)**

CPR: Cca -s1a, d1, a1

Reference Number:

002-1071504 2x2x1.5 mm²

Standards and Compliance:

UNE EN 50200
UNE EN 211025
UNE EN 50575
UNE EN 13501-6
UNE EN 60332-3
IEC 60332-1-2
IEC 61034-2
IEC 60754-1
IEC 60754-2
IEC 60331 FE 180
RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1.0/1.5/2.5 mm²

Insulation: FR 120' Ceramifying Silicone Elastomer, Class CR1

- **Color:** Red, Black; Brown, Yellow
- **Core Diameter:** 3.0 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** Red

Overall Diameter: 7.8/8.3/9.1 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 86 pF/m

Characteristic Impedance: 90 Ω ±10%

Operating Voltage: 300V/500V

Operating Temperature: -20°C/+90°C

Conductor Resistance: 20/14.3/9.2 Ω/Km

Insulation Resistance: MΩ/100mts = 300

Test Voltage: 2000V DC > 1 Min

Velocity of Propagation: < 70%





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SEGURFLEX DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible LSZH multicore cable, generally used for security and alarm installations. Features an overall screen for improved performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Numbers:

002-1202204 4x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue
- **Core Diameter:** 1.1 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V

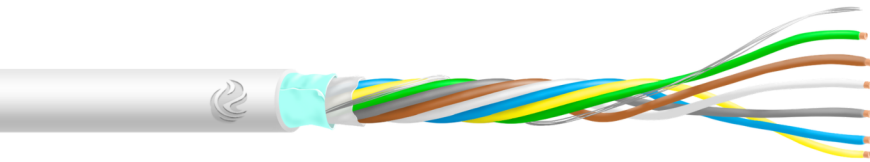




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SEGURFLEX DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible LSZH multicore cable, generally used for security and alarm installations. Features an overall screen for improved performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1202206 6x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016
UNE EN 60332-1-2
UNE EN 50399:2012
UNE EN 61034-2
UNE EN 60754-2
RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey
- **Core Diameter:** 1.1 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V

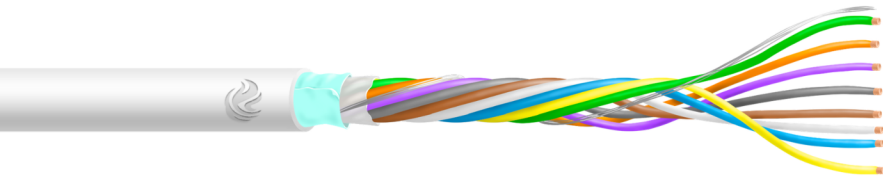




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SEGURFLEX DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible LSZH multicore cable, generally used for security and alarm installations. Features an overall screen for improved performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1202208 8x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey, Purple, Orange
- **Core Diameter:** 1.1 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V





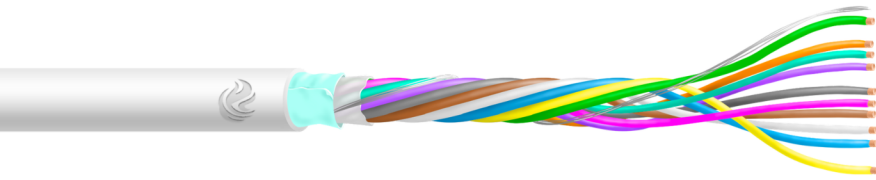
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SEGURFLEX DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible LSZH multicore cable, generally used for security and alarm installations. Features an overall screen for improved performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1202210 10x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey, Purple, Orange, Pink, Turquoise
- **Core Diameter:** 1.1 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V





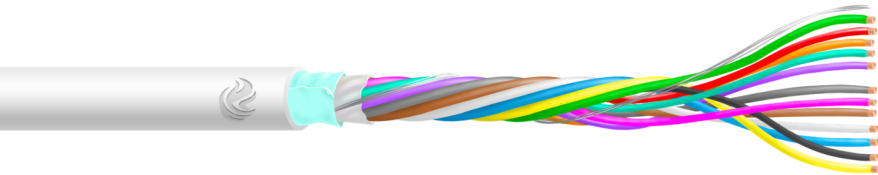
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SEGURFLEX DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible LSZH multicore cable, generally used for security and alarm installations. Features an overall screen for improved performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1202212 12x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey, Purple, Orange, Pink, Turquoise, Red, Black
- **Core Diameter:** 1.1 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V

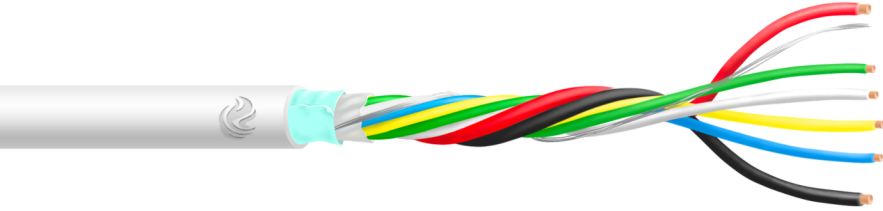




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SEGURFLEX + POWER DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible, halogen-free (LSZH) multicore cable, generally used for security and alarm installations, incorporating power supply cores to reduce the need for multiple cable runs. Features an overall screen to enhance performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1207504 2+4x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22/0.70 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue
- **0.70 Color:** Red, Black
- **Core Diameter:** 1.1/1.3 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V

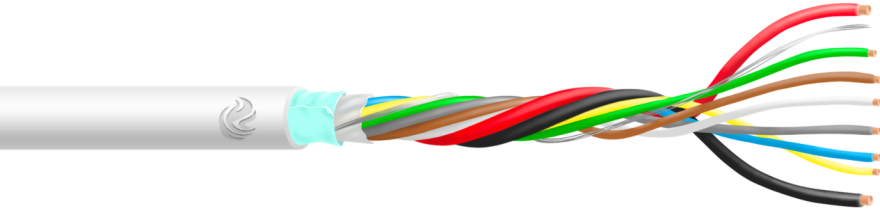




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SEGURFLEX + POWER DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible, halogen-free (LSZH) multicore cable, generally used for security and alarm installations, incorporating power supply cores to reduce the need for multiple cable runs. Features an overall screen to enhance performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1207506 2+6x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22/0.70 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey
- **0.70 Color:** Red, Black
- **Core Diameter:** 1.1/1.3 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V

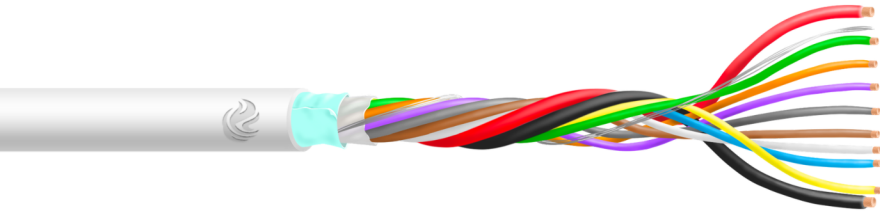




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SEGURFLEX + POWER DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible, halogen-free (LSZH) multicore cable, generally used for security and alarm installations, incorporating power supply cores to reduce the need for multiple cable runs. Features an overall screen to enhance performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1207508 2+8x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22/0.70 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey, Purple, Orange
- **0.70 Color:** Red, Black
- **Core Diameter:** 1.1/1.3 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V

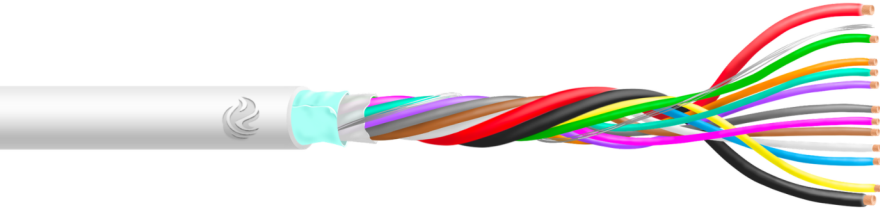




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SEGURFLEX + POWER DATASHEET Z10Z1-K (AS)

Alarm Cable

Description:

Flexible, halogen-free (LSZH) multicore cable, generally used for security and alarm installations, incorporating power supply cores to reduce the need for multiple cable runs. Features an overall screen to enhance performance against potential interference and crosstalk.

CPR: B2ca -s1a, d0, a1

Reference Number:

002-1207510 2+10x0.22 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Diameter:** 0.22/0.70 mm²

Insulation: LSZH EVA Polyolefin

- **0.22 Color:** White, Yellow, Green, Blue, Brown, Grey, Purple, Orange, Pink, Turquoise
- **0.70 Color:** Red, Black
- **Core Diameter:** 1.1/1.3 mm

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** White

ELECTRICAL CHARACTERISTICS:

Test Voltage: 2000V DC > 5 Minutes

Operating Voltage: 250V





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SOLAR DATASHEET (H1Z2Z2-K)

Description:

The H1Z2Z2-K is a photovoltaic (PV) solar cable, designed for the interconnection of solar panels. It is suitable for fixed installations, both internal and external, within conduits or systems. This cable is highly flexible and compatible with all major connectors. It is suitable for wet, damp, and humid locations.

Standards and Compliance:

UNE EN 50618
EN 50575
EN 60332-1
EN 61034-2
EN 60754-2
IEC 60332-1
RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Tinned Electrolytic Copper

- **Diameter:** 4/6 mm²

Insulation: Special LSZH Cross-linked Compound

- **Color:** White

Jacket: Special LSZH Cross-linked Compound

- **Color:** Black

Format: Coils or Wooden Drums

ELECTRICAL CHARACTERISTICS:

Nominal Voltage: 1.0/1.0 kV AC

Operating Voltage: 1.5kV (1.8kV) DC (EN 50618)

Maximum Conductor Temperature: +120°C/20000h

Operating Temperature: -40°C / +90°C

Conductor Resistance: <1000M Ω/Km

Spark Test (50Hz): 6500V (AC)

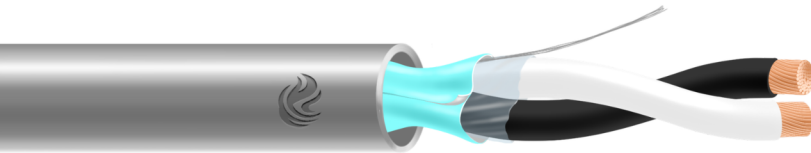




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BUS DALI DATASHEET Z10Z1-K (AS)

Description:

Cable designed for digital signal transmission in accordance with DALI (Digital Addressable Lighting Interface) standards. It features an Al/PET screen for interference protection, including a drain wire for grounding. This high-quality cable is engineered to support installations up to the 300-meter limit recommended by the manufacturer's standards, ensuring full compatibility with all DALI System equipment.

CPR: B2ca, -s1a,d0,a1

Reference Number:

002-1540060 2x1.5 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 13501-6

IEC 60332-1-2

IEC 61034-2

IEC 60754-1

IEC 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** White, Black
- **Core Diameter:** 3.0 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH EVA Polyolefin

- **Color:** Grey

Overall Diameter: 8.3 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 70 pF/m

Characteristic Impedance: 120 Ω ±10%

Operating Voltage: 300V/500V

Operating Temperature: -20°C/+70°C

Test Voltage: 2000V DC > 1 Min

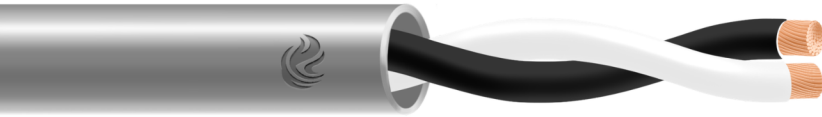




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BUS DALI YY DATASHEET Z1Z1-K (AS)

Description:

Cable designed for the transmission of digital signals in accordance with DALI (Digital Addressable Lighting Interface) standards. This high-quality cable is engineered to support installations up to the 300-meter limit recommended by the manufacturer's standards, ensuring full compatibility with all DALI System equipment.

CPR: Cca, -1sa,d1,a1

Reference Number:

002-1540010 2x1.5 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 13501-6

IEC 60332-1-2

IEC 61034-2

IEC 60754-1

IEC 60754-2

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 1.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** White, Black
- **Core Diameter:** 3.0 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Jacket: LSZH EVA Polyolefin

- **Color:** Grey

Overall Diameter: 8.8 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 70 pF/m

Characteristic Impedance: 120 Ω ±10%

Operating Voltage: 300V/500V

Operating Temperature: -20°C/+70°C

Test Voltage: 2000V DC > 1 Min





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DIGILAN DATASHEET Z10Z1-K (AS)

Description:

Flexible shielded multicore cable designed for data installations such as: Access control, telemetry, computer numerical control (CNC), card readers, etc. Features an overall shield for interference protection.

CPR: B2ca -s1a, d0, a1

Reference Numbers:

002-1510250 2x2x0.5 mm²

Standards and Compliance:

UNE EN 50575/A1:2016

UNE EN 60332-1-2

UNE EN 50399:2012

UNE EN 61034-2

UNE EN 60754-2

IEC 60228

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 5 Flexible Copper (IEC 60228)

- **Cross Section:** 0.5 mm²

Insulation: LSZH EVA Polyolefin

- **Color:** Red, Black; Brown, Yellow
- **Core Diameter:** 2.8 mm

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** Grey

Overall Diameter: 7.8/8.8 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 66 pF/m

Characteristic Impedance: 120 Ω ±10%

Operating Voltage: 250V

Operating Temperature: -15°C/+70°C

Test Voltage: 1000V

Insulation Resistance: MΩ/100mts = 300

Conductor Resistance: <56.4 Ω/Km

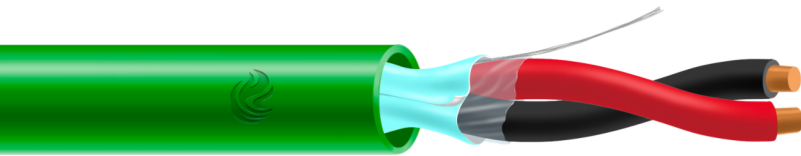




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BUS KNX/EIB DATASHEET (AS)

Description:

Cable for use in KNX / EIB (European Installation Bus) systems. Its LSZH (Low Smoke Zero Halogen) jacket makes it suitable for home automation installations, allowing the control and operation of heating, lighting, and air conditioning systems, among others. These systems can align with external climate conditions or be adjusted via an interface to preset levels. Not suitable for underground installations.

CPR: Eca -s1b, a2, d2

Reference Numbers:

002-1510200 2x0.8 mm

Standards and Compliance:

UNE EN 50575
UNE EN 50257-2-1
UNE EN 60332-2-1
UNE EN 50267-2-3
UNE EN 61034
UNE EN 50266-2-4
RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Bare Copper (IEC 60228)

- **Diameter:** 0.8 mm

Insulation: Low Capacitance Polyethylene

- **Color:** Red, Black; White, Yellow

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** May Green (RAL 6017)

Overall Diameter: 6.4 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 100 pF/m

Characteristic Impedance: $90 \Omega \pm 10\%$

Operating Voltage: 300V/500V

Operating Temperature: $-15^{\circ}\text{C}/+90^{\circ}\text{C}$

Conductor Resistance: $<7.9 \Omega/\text{Km}$

Insulation Resistance: 100 M Ω /Km

Test Voltage: 2500V

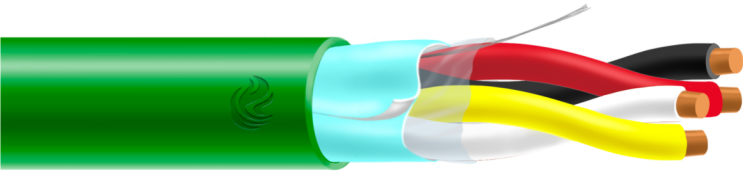




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CPR: Eca -s1b, a2, d2

Reference Numbers:

002-1510220 2x2x0.8 mm

Standards and Compliance:

UNE EN 50575
UNE EN 50257-2-1
UNE EN 60332-2-1
UNE EN 50267-2-3
UNE EN 61034
UNE EN 50266-2-4
RoHS Compliant

BUS KNX/EIB DATASHEET (AS)

Description:

Cable for use in KNX / EIB (European Installation Bus) systems. Its LSZH (Low Smoke Zero Halogen) jacket makes it suitable for home automation installations, allowing the control and operation of heating, lighting, and air conditioning systems, among others. These systems can align with external climate conditions or be adjusted via an interface to preset levels. Not suitable for underground installations.



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Bare Copper (IEC 60228)

- **Diameter:** 0.8 mm

Insulation: Low Capacitance Polyethylene

- **Color:** Red, Black; White, Yellow

Twist Rate: Twisted Pair ≥ 25 twists/m

Shield: Aluminum Mylar Tape

Drain Wire: Stranded Tinned Copper

Jacket: LSZH Polyolefin

- **Color:** May Green (RAL 6017)

Overall Diameter: 8.2 mm

ELECTRICAL CHARACTERISTICS:

Capacitance: 100 pF/m

Characteristic Impedance: $90 \Omega \pm 10\%$

Operating Voltage: 300V/500V

Operating Temperature: $-15^{\circ}\text{C}/+90^{\circ}\text{C}$

Conductor Resistance: $<7.9 \Omega/\text{Km}$

Insulation Resistance: 100 M Ω /Km

Test Voltage: 2500V





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U/UTP CAT 5e DATASHEET

Description:

This Cat 5e unshielded twisted pair (UTP) cable, featuring solid copper conductors, is ideal for transmissions requiring a balance of quality and performance in 100 MHz networks.

CPR: Dca, -s2, d2, a1

Reference Number:

002-3005001 U/UTP Cat 5e

Standards and Compliance:

UNE EN 60228

ISO/IEC 61156-5

RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.51 mm (AWG23)

Insulation: LSZH EVA Polyolefin

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 0.9 mm

Jacket: LSZH Polyolefin

- **Color:** Purple

Overall Diameter: 5 mm

Format: 305m Reel-in-Box

ELECTRICAL CHARACTERISTICS:

Capacitance: 65 pF/m

Characteristic Impedance: 100 Ω

Conductor Resistance: <9.3 Ω/Km

FREQUENCY	ATTENUATION	NEXT	FEXT	ACR/100 m:
10 Mhz	6.0 dB	56 dB	43.8 dB	50.3 dB
20 Mhz	8.5 dB	51 dB	37.8 dB	42.5 dB
62 Mhz	15.7 dB	44 dB	27.9 dB	28.3 dB
100 Mhz	19.8 dB	41 dB	23.8 dB	21.2 dB
125 Mhz	22.3 dB	40 dB	26 dB	17.7 dB





U/UTP CAT 5e EXTERIOR DATASHEET

Description:

Four-pair unshielded cable, Cat 5e rated with solid copper conductors. It is specifically designed for outdoor applications, featuring a durable polyethylene (PE) jacket suitable for external environments.

CPR: Fca
Reference Numbers:

002-3005700 U/UTP Cat 5e EXTERIOR

Standards and Compliance:

UNE EN 60228
 ISO/IEC 11801
 ISO/IEC 61156-5
 EN 50173
 EN 50288-2-1
 RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.51 mm (AWG23)

Insulation: Solid Polyethylene

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 1.03 mm

Jacket: UV Stabilized LSZH Polyethylene

- **Color:** Black

Overall Diameter: 5 mm

Format: Coils or Wooden Drums

ELECTRICAL CHARACTERISTICS:

Capacitance: 50 pF/m

Characteristic Impedance: 100 Ω

Conductor Resistance: <169 Ω/Km

FREQUENCY	ATTENUATION	NEXT	FEXT	RETURN LOSS
10 Mhz	6.0 dB	50 dB	48 dB	25 dB
20 Mhz	8.5 dB	45 dB	42 dB	25 dB
31.2 Mhz	10.7 dB	40 dB	38 dB	24 dB
62.5 Mhz	15.7 dB	38 dB	32 dB	22 dB
100 Mhz	19.9 dB	35 dB	28 dB	20 dB





CPR: Dca, -s2, d2, a1

Reference Number:

002-3006705 U/UTP Cat 6a

Standards and Compliance:

EN 50399
 EN 50173-1
 EN 50288-11-1
 ISO/IEC 11801
 IEC 61156-5
 IEC 60332-1
 IEC 60754-2
 RoHS Compliant



U/UTP CAT 6a DATASHEET

Description:

U/UTP cable with copper conductors and a PE cross separator (spline). It is designed to support transmission frequencies up to 300 MHz in 1 Gbps networks, in accordance with ANSI/TIA/EIA standards for distances up to 100 meters.

PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.57 mm (AWG23)

Insulation: LSZH EVA Polyolefin

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 1.4 mm

Jacket: LSZH Polyolefin

- **Color:** Blue

Overall Diameter: 7.7 mm

Format: Coils or Wooden Drums

ELECTRICAL CHARACTERISTICS:

Capacitance: 48 nF/Km

Characteristic Impedance: 100 Ω

Conductor Resistance: 5.000 MΩ/Km

FREQUENCY	ATTENUATION	NEXT	FEXT	RETURN LOSS
10 Mhz	6.5 dB	56 dB	43.2 dB	19 dB
20 Mhz	9.3 dB	51 dB	37.2 dB	19 dB
62 Mhz	16.9 dB	44 dB	27.2 dB	14 dB
100 Mhz	23.1 dB	37 dB	36 dB	11 dB
125 Mhz	24.5 dB	35 dB	35.2 dB	12 dB
200 Mhz	31.7 dB	34 dB	34.8 dB	9 dB
250 Mhz	36 dB	33 dB	33.1 dB	8 dB





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U/UTP CAT 6 EXTERIOR DATASHEET

Description:

U/UTP unshielded cable featuring copper conductors and a PE cross separator. It is engineered to support transmission frequencies up to 300 MHz in 1 Gbps networks. According to TIA/EIA standards for distances up to 100 meters. This cable is suitable for outdoor use.

CPR: Fca

Reference Numbers:

002-3006770 U/UTP Cat 6 EXTERIOR

Standards and Compliance:

- TIA/EIA 568-c
- ISO/IEC 11801
- IEC/61156-5
- EN 50288-6
- EN 50173
- EN 61156-5
- RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.56 mm (AWG23)

Insulation: Solid Polyethylene

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 1.04 mm

Jacket: UV Stabilized LSZH Polyethylene

- **Color:** Black

Overall Diameter: 6.1 mm

Format: Coils or Wooden Drums

ELECTRICAL CHARACTERISTICS:

Capacitance: At 800 Hz - 43 nF/Km

Pair to Ground Unbalance: < 1500 pF/Km

Characteristic Impedance: 100 Ω

Test Voltage: (1 min, DC): Core/Core, Core/Shield 1000V

Conductor Resistance: <165 Ω/Km

Insulation Resistance: 500V

FREQUENCY	ATTENUATION	NEXT	FEXT	RETURN LOSS
10 Mhz	6.0 dB	60 dB	57 dB	25 dB
20 Mhz	8.5 dB	56 dB	41 dB	25 dB
62.5 Mhz	15.5 dB	48 dB	31 dB	22 dB
10 Mhz	19.9 dB	45 dB	27 dB	20 dB
10 Mhz	22.5 dB	44 dB	25 dB	19 dB
10 Mhz	29.2 dB	41 dB	21 dB	18 dB
10 Mhz	33 dB	39 dB	19 dB	17 dB

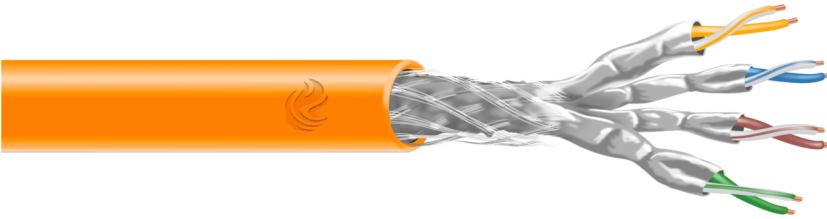




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CPR: Dca, -1sb, a1, d2

Reference Numbers:

002-3007001 S/FTP Cat 7

Standards and Compliance:

- UNE EN 60228
- EN 50575
- ISO/IEC 11801
- EN 50173
- ISO/IEC 61156-5
- RoHS Compliant

S/FTP CAT 7 DATASHEET

Description:

S/FTP cable for digital transmissions up to 1Gb bandwidth. Features individually shielded pairs (foiled pairs), a tinned copper overall braid, and an orange outer jacket.



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.56 mm (AWG23)

Insulation: Foam Polyethylene (FPE)

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 1.38 mm

Jacket: LSZH Polyolefin

- **Color:** Orange

Overall Diameter: 8 mm

Format: Coils or Wooden Drums

ELECTRICAL CHARACTERISTICS:

Capacitance: At 800 Hz - 43 nF/Km

Characteristic Impedance: 100 Ω

Conductor Resistance: <9.3 Ω/Km

FREQUENCY	ATTENUATION	NEXT	ACRF/100m	RETURN LOSS
62.5 Mhz	13.7 dB	100 dB	81 dB	30 dB
175 Mhz	23.3 dB	93 dB	72 dB	25 dB
300 Mhz	30.9 dB	89 dB	67 dB	24 dB
750 Mhz	52 dB	83 dB	59 dB	21 dB
1000 Mhz	63.1 dB	80 dB	57 dB	20 dB

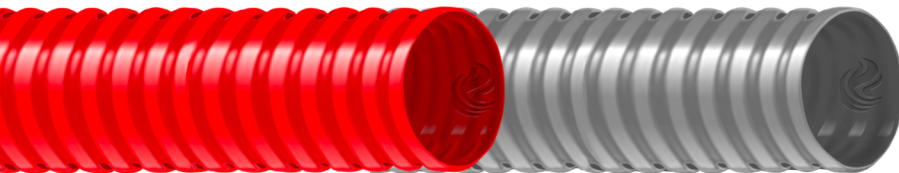




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Standards and Compliance:
EN 61386-1
EN 61386-22
RoHS Compliant

CORRUGATED CONDUIT DATASHEET

Pre-installed in corrugated conduit available for all cables.

Description:

Pre-wired corrugated conduit is becoming increasingly popular among installers, as it significantly reduces labor time in cabling installations, such as in raised access floors or suspended ceilings. Due to its safety features, it is ideal for large-scale construction projects and public buildings with a high influx of people.



OTHER AVAILABLE OPTIONS:

Material: LSZH Polyolefin

- **Color:** Red, Black, Blue, Grey

Diameters: 16 mm / 20 mm / 25 mm

Insulation Properties: 500V

Impact Resistance: >2J

Compressive Strength: Approx. 750 Nw

Operating Temperature: -5°C/90°C

