

TECHNICAL DATASHEET AND SPECIFICATIONS

1191-HD2017

Type: Shielded Alarm Cable combined data transmission and power supply



Application: Cable for connection of alarm system with protection against interference; The combination of power wires and data transmission wires inside a same jacket allow to have one sole cable to transmit both data and energy to the alarm system.

PHYSICAL CHARACTERISTICS

Conductor: Copper Clad Aluminium Stranded - Class 5

Composition of the conductors:

0,22mm²: 7x0,20 mm

0,50mm²: 16x0,20 mm

0,75 mm²: 24x0,20 mm

Identification of conductors:

0,22 mm² : white, Red, Yellow, Green, Grey, Orange

0,50 & 0,75mm²: Black, Red

Insulation: Flexible PVC

Shielding: PET Tape - Aluminium/PET tape > 100% coverage + Flexible Drain wire

Conductor Assembly: Helicoidally under PET Tape

Outer jacket: Flexible PVC

Usual Colour: White – Ral 9003

ELECTRICAL CHARACTERISTICS

Operating voltage 0.22mm²: 200V

Operating voltage 0.50mm² or 0.75mm²: 250V

Testing Voltage: 1500V

Max. electrical resistance at 20°C: 170 MΩ.Km (section 0.22mm²)

50 MΩ.Km (section 0,50mm²)

40 MΩ.Km (section 0.75mm²)

Min. insulation resistance at 20°C: 200 MΩ.Km

Working Temperature: -10°C +70°C

Bending Radius: 10x Diameter of the cable

FIRE RESISTANCE CHARACTERISTICS

TESTS	STANDARD	RESULT
Flame Retardant	IEC 60332-1	CONFORM

MECHANICAL CHARACTERISTICS

Nb of conductors	Outer Diameter (mm)
2x0.50+2x0.22	4.3
2x0.50+4x0.22	4.9
2x0.50+6x0.22	5.2
2x0.75+4x0.22	5.05
2x0.75+6x0.22	5.4

Information and specifications described herein are confidential. Information and specifications described herein are subject to change by Condenerg without previous notice.