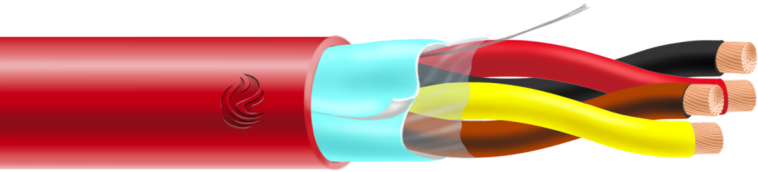




TINMAR INVER

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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%

