# 2x18 AWG FPLR Shielded Fire Alarm and Control Cable
# POWER & CONTROL
# P/N 80018S2103

INDUSTRY

## Applications

Short-range low-frequency signals, Fire alarm, Indoor

| Outer Jacket Material | Outer diameter | Weight |
|---|---|---|
| FR-PVC | 4.0 mm nom. | 30 kg/km |

## General Construction

1 - twisted pair is Overall foil shielded and jacketed.
Cable passes UL Riser Flame test.

## Design & Materials

| | |
|---|---|
| Conductor Material | Annealed Bare Copper |
| Conductor Size (mm) | 1.02 |
| Conductor Construction | Solid |
| Insulation Material | PP |
| Insulation O.D. (mm nom) | 1.45 |
| Conductor Color Code | Red x Black |
| Overall Shield Design | 100% Coverage |
| Overall Shield Material | Aluminum/Polyester Foil |
| Overall Drain-wire Material | Annealed Tinned Copper |
| Overall Drain-wire size (mm) | 0.51 |
| Overall Drain-wire Construction | Solid |
| Total Number Of Conductors | 2 |
| Total Number Of Conductor Units | 1 |
| Rip-Cord | Yes |
| Outer Jacket Thickness (mm nom) | 0.5 |
| Outer Jacket Color | Red |
| Marking | Per request |

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## Performance

| | |
|---|---|
| Max. DC Resistance (Ω/km@20°C) | 22 |
| Dielectric Strength (V/minute) | 1000 |
| Dielectric Strength to Shield (V/minute) | 500 |
| Min. Insulation Resistance (MΩ•km) | 200 |
| Voltage Rating (V) | 300 |
| Min. Bend Radius (mm) | 30 |
| Min. Operating Temperature (°C) | -15 |
| Max. Operating Temperature (°C) | +75 |

## Standards

Flammability Rating
UL CMR

Applicable Standards
RoHS 3 2015/863/EU

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