



## Technical Specifications

**Product Line: 18-4C-FPLR**

### Description

4 conductor 18 AWG solid, twisted, and shielded cable  
NEC type FPLR. Product manufactured compliant to the requirements of UL1424 for installations and applications in accordance with NEC article 760.

### Conductor

18 AWG  
Solid annealed bare copper conductors  
Diameter: 0.0403" | 1.024mm

### Electrical

DC resistance: 6.2  $\Omega$  / 1000' | 20.33  $\Omega$ /KM  
Mutual capacitance: 34.0 pF/FT | 111.5 pF/M  
Impedance: Not specified  
Inductance: 0.15 $\mu$ H/FT | 0.49 $\mu$ H/M  
Velocity of Propagation: 55%  
Voltage rating: 300V  
Maximum current: 3.0A@25°C

### Insulation

Polyvinyl chloride  
Wall thickness: 0.009" | 0.23mm  
Diameter: 0.059" | 1.50mm

### Regulatory

NEC: FPLR 60°C  
CEC: FPLR FT4 60°C  
EU RoHS 2002/95/EC Compliant

### Color Code

Black, Red, Brown, Blue

### Packages

Reel: 1000' | 305M  
Weight: 30 Lbs/1000' | 45 Kg/KM

### Assembly

4 conductors twisted  
Lay length: 4.0" | 100mm  
3.0 twists per foot | 10.0 twists per meter

### Installation

Pull Tension: 52 Lbs | 232 N  
Bend radius: 1.35" | 35mm unloaded  
Bend radius: 2.70" | 70mm loaded

### Construct

Ripcord under jacket

### Applications

Riser fire alarm, signalling and safety circuits

### Shield

N/A

### Performance

N/A

### Jacket

Polyvinyl chloride  
Colors: Red, White  
Wall thickness: 0.018" | 0.45mm  
Diameter: 0.135" | 3.43mm

### Final Outside Diameter (inches)

0.135

Specification Revision Date:

April 11, 2009

