



**Technical Specifications**

**Product Line:** 18-6C-SH

**Description**

6 conductor 18 AWG stranded, twisted, and shielded cable NEC type CMR and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

**Conductor**

18 AWG  
7-strand annealed bare copper conductors  
Diameter: 0.0454" | 1.15mm

**Electrical**

DC resistance: 6.92  $\Omega$  / 1000' | 22.7  $\Omega$ /KM  
Mutual capacitance: 46.8 pF/FT | 159.41 pF/M  
Impedance: 39  $\Omega$   
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**

Semi-rigid polyvinyl chloride  
Wall thickness: 0.009" | 0.20mm  
Diameter: 0.063" | 1.61mm

**Regulatory**

NEC: CMR 60°C  
CEC: CMG FT4 60°C  
EU RoHS-2 2011/65/EU Compliant

**Color Code**

Black, Red, White, Green, Brown, Blue

**Packages**

Reel: 1000' | 305M  
Weight: 46 Lbs/1000' | 69 Kg/KM

**Assembly**

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

**Installation**

Pull Tension: 91 Lbs | 404 N  
Bend radius: 2.30" | 59mm unloaded  
Bend radius: 4.60" | 118mm loaded

**Construct**

Ripcord under jacket

**Applications**

Riser security and low voltage power  
Riser commercial and residential speaker level audio  
General purpose 70V commercial speaker audio  
General purpose Class 2 and 3 power

**Shield**

100% aluminum/polyester tape foil out  
24 AWG 7-strand tinned copper drain

**Performance**

Speaker level audio to 30 feet

**Jacket**

Plenum rated polyvinyl chloride  
Colors: Natural white  
Wall thickness: 0.020" | 0.51mm  
Diameter: 0.230" | 5.84mm

**Final Outside Diameter (inches)**

0.230

Specification Revision Date:

January 6, 2016

