

**Technical Specifications**  
**Product Line: 22-8C-SH****Description**

8 conductor 22 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**

22 AWG  
7-strand annealed bare copper conductors  
Diameter: 0.0288" | 0.73mm

**Electrical**

DC resistance: 16.4  $\Omega$  / 1000' | 53.79  $\Omega$ /KM  
Mutual capacitance: 39.7 pF/FT | 130.22 pF/M  
Impedance: 47  $\Omega$   
Velocity of Propagation: 55%  
Voltage rating: 300V  
Maximum current: 2.0A@25°C

**Insulation**

Semi-rigid polyvinyl chloride  
Wall thickness: 0.008" | 0.20mm  
Diameter: 0.045" | 1.14mm

**Regulatory**

NEC: CMR 75°C  
CEC: CMG FT4 60°C  
EU RoHS 2002/95/EC Compliant

**Color Code**

Black, Red, White, Green, Brown, Blue  
Orange, Yellow

**Packages**

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

**Assembly**

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

**Installation**

Pull Tension: 45 Lbs | 201 N  
Bend radius: 1.91" | 49mm unloaded  
Bend radius: 3.82" | 98mm loaded

**Construct**

Ripcord under jacket

**Applications**

Riser General purpose security and low voltage power  
Non-OSP Class 2 and 3 power

**Shield**

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

**Performance**

N/A

**Jacket**

Polyvinyl chloride  
Colors: Gray  
Wall thickness: 0.020" | 0.51mm  
Diameter: 0.191" | 4.85mm

**Final Outside Diameter (inches)**

0.191

Specification Revision Date:

February 16, 2009