



Technical Specifications

Product Line: 18-2C-TRSH

Description

2 conductor 18 AWG stranded, twisted, and shielded cable
NEC type TC. Product manufactured compliant to the requirements of UL1277 for installations and applications in accordance with NEC article 336.

Conductor

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

Electrical

DC resistance: 6.92 Ω / 1000' | 22.7 Ω /KM
Mutual capacitance: 39.8 pF/FT | 130.54 pF/M
Velocity of Propagation: 55%
Voltage rating: 600V
Maximum current: 6.0A@25°C

Insulation

Polyvinyl chloride
Wall thickness: 0.015" | 0.38mm
Diameter: 0.075" | 1.92mm
Nylon sheath
Wall thickness: 0.005" | 0.13mm
Diameter: 0.085" | 2.16mm

Regulatory

NEC: TC 90°C
Suitable for direct burial
Sunlight resistant
EU RoHS 2002/95/EC Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
Weight: 42 Lbs/1000' | 63 Kg/KM

Assembly

2 conductors twisted
Lay length: 3.0" | 80mm
4.0 twists per foot | 12.5 twists per meter

Installation

Pull Tension: 35 Lbs | 156 N
Bend radius: 2.60" | 66mm unloaded
Bend radius: 5.20" | 132mm loaded

Construct

Ripcord under jacket

Applications

Tray cable applications for line, lighting, and control
Line voltage lighting dimmer & switch applications
Outdoor speaker level audio
Outdoor 70V commercial speaker audio

Shield

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

Performance

Speaker level audio to 30 feet

Jacket

Polyvinyl chloride
Colors: Light blue
Wall thickness: 0.045" | 1.14mm
Diameter: 0.260" | 6.60mm

Final Outside Diameter (inches)

0.260

Specification Revision Date:

June 30, 2006

