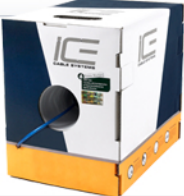
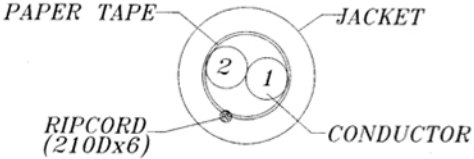



# Product Specification



<p>16-2FX</p> <p><b>Spec No:</b> S-016</p> <p><b>Date:</b> 4/12/2014</p> <p><b>Approved By:</b> Brian Rizzo</p> 	<p>Cross Section</p> 	<p>Packaging</p> <p> Box 500 Ft.  Spool 500 Ft.</p> <p>Colors</p> 
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### Description

16-2FX, Reference Series, 16AWG, 2 Conductor, Stranded, Oxygen Free Copper, UL Direct Burial, Class 3 & FT4 Rated for Audio and Direct Burial Applications.

<b>Description</b>	
Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	c(UL) CMG or (UL) CL3 UL Direct Burial
Flame test	FT4

**Application**  
Power-limited circuit cables for use as fixed wiring within buildings (some are also marked for direct burial) principally for Class 3 and Class 2 circuits.

**Reference Standard:**  
UL 13 & the customer's specification.

### Performance

<b>Electrical Characteristics (20°C)</b>	
<b>Max Conductor Resistance (Ω/KM)</b>	15.6
<b>Voltage</b>	300 Volts RMS
<b>Temperature</b>	-20°C to 75°C
<b>Min. Insulation Resistance (Ω/KM)</b>	SR-PVC: 50M
<b>Dielectric Strength</b>	AC-500V/1 Minute
<b>Impedance (near by)</b>	78 ± 4Ω
<b>Capacitance (near by)</b>	23 ± 1 pF/ Ft

<b>Mechanical Characteristics</b>	
Test Object	Jacket
Test Material	PVC
Before Tensile Strength (kg/mmP2)	≥1.05



Sequential footmarks applied every four feet in conjunction with the print legend.  
"XXX/XXX" Stands for Length. eg: 000/1000; 004/0996; 008/0992...

### Construction

<b>Conductor Component</b>	Stranded Oxygen Free Copper
AWG	2C
Construction (± 0.008mm)	16
Stranded Dia. (±0.05mm)	65/0.15 OFC
<b>Insulation</b>	1.39
Nom. Thickness (mm)	SR-PVC
Insulation Dia. (±0.05mm)	0.30
<b>Binding Tape</b>	2.1
Coverage (%)	Paper Tape
<b>Ripcord Jacket</b>	≥ 125%
Nom. Thickness (mm)	210 Dx6 Nylon Thread
<b>Outer Dia. (±0.10mm)</b>	PVC
	0.77
	5.95

<b>Insulation/Conductor Colors</b>	
<b>Component</b>	1. Red 2. Black
<b>Jacket Colors</b>	Brightness White - Pantone White Brightness Black - Pantone Black Brightness Coffee - Pantone 732 U

### Compliance

		<b>CL3</b>	<b>FT4</b>
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## Jacket Marking (Black)

ICE CABLE SYSTEMS 16-2FX REFERENCE SERIES SPEAKER CABLE DIRECT BURIAL OXYGEN FREE COPPER 16AWG 2C E312434-22 c(UL) CMG FT4 75C OR E301442-22 (UL) CL3 ROOM: ENT KIT NK FAM LR DR POWD OFF POO PAT MBR MBA BR1 BR2 BR3 BR4 BR5 GAR GYM 1 2 3 4 5 6 "ROHS" XXX/XXX FT