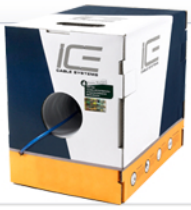
Product Specification

12-2 Plenum

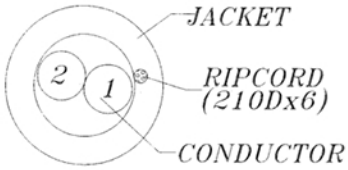
Spec No: S-023

Date: 4/12/2014

Approved By: Brian Rizzo



Cross Section



Packaging

Box 500 Ft.

Colors

Description

12-2 Plenum, 12AWG, 2 Conductor, Stranded, Bare Copper, Class 3 Plenum & FT6 Rated for Commercial and other Plenum Audio Applications.

Description

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	c(UL) CMP or (UL) CL3P
Flame test	FT6

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.

Construction

Conductor	Stranded Bare Copper
Component	2C
AWG	12
Construction (± 0.008mm)	65/0.247
Stranded Dia. (±0.05mm)	2.30
Insulation	CMP-PVC
Nom. Thickness (mm)	0.25
Insulation Dia. (±0.05mm)	2.85
Ripcord	210 Dx6 Nylon Thread
Jacket	CMP-PVC
Nom. Thickness (mm)	0.33
Outder Dia. (±0.10mm)	6.36

Insulation/Conductor Colors

Component	1. Red 2. Black
Jacket Colors	Pantone White Pantone Black

Performance

Electrical Characteristics (20°C)

Max Conductor Resistance (Ω/KM)	5.76
Voltage	300 Volts RMS
Temperature	-20°C to 75°C
Min. Insultation Resistance (Ω/KM)	CMP-PVC: 100M
Dielectric Strength	AC-500V/1 Minute
Impedance (near by)	61 ± 3Ω
Capacitance (near by)	27 ± 1 pF/Ft

Mechanical Characteristics

Test Object	Jacket
Test Material	CMP-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...

Compliance

UL | RoHS | CL3P | FT6

Jacket Marking (Black)

ICE CABLE SYSTEMS 12-2 PLENUM SPEAKER CABLE 12AWG 2C E312434-22 c(UL) CMP FT6 75C OR E301442-22 (UL) CL3P 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