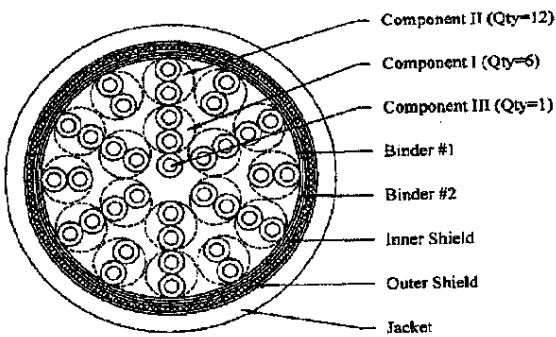


18 PAIR 22 AWG + 1 CONDUCTOR 22 AWG ROHS LOW CAPACITANCE MEDICAL CABLE



CONSTRUCTION

Component I - 22 AWG Pairs
 Conductor: 22 AWG 7/30 Tin Plated Copper, 0.030 Inch Diameter
 Insulation: 0.011 Inches of High Density Polyethylene, 0.052 Inch Diameter
 Pair: 2 Insulated Conductors Twisted Together

Component II - 22 AWG Pairs
 Conductor: 22 AWG 7/30 Tin Plated Copper, 0.030 Inch Diameter
 Insulation: 0.012 Inches of High Density Polyethylene, 0.054 Inch Diameter
 Pair: 2 Insulated Conductors Twisted Together

Component III - 22 AWG Single
 Conductor: 22 AWG 7/30 Tin Plated Copper, 0.030 Inch Diameter
 Insulation: 0.011 Inches of High Density Polyethylene, 0.052 Inch Diameter
 Pair: 2 Insulated Conductors Twisted Together

Final Assembly
 Core: Component III (#19)
 Layer 1: 6 Component I (#1-6) Cabled Around Core
 Layer 2: 12 Component II (#7-18) Cabled Around Layer 1
 Binder #1: Polyester Tape, 50% Overlap with Left Hand Lay
 Binder #2: Polyester Tape, 50% Overlap with Right Hand Lay
 Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 50% Overlap with Left Hand Lay
 Outer Shield: 36 AWG Tin Plated Copper Braid, 90% Coverage
 Jacket: 0.032 Inches of XPbT, Color - GE Mist Gray
 Diameter: 0.535 ± 0.010 Inches
 Ident Legend: *TYPE CL3 75°C 22 AWG (UL) MADISON CABLE CSA AWM II A/B 80°C 300V FT 4 RoHS COMPLIANT*

COLOR CODE

Comp	Component	Conductor #1	Conductor #2
1	I	White/Black	Black/White
2	I	White/Brown	Brown/White
3	I	White/Red	Red/White
4	I	White/Orange	Orange/White
5	I	White/Yellow	Yellow/White
6	I	White/Green	Green/White
7	II	White/Blue	Blue/White
8	II	White/Violet	Violet/White
9	II	White/Gray	Gray/White
10	II	Black/Brown	Brown/Black
11	II	Black/Red	Red/Black
12	II	Black/Orange	Orange/Black
13	II	Black/Yellow	Yellow/Black
14	II	Black/Green	Green/Black
15	II	Black/Blue	Blue/Black
16	II	Black/Violet	Violet/Black
17	II	Black/Gray	Gray/Black
18	II	Brown/Red	Red/Brown
19	III	Green/Yellow	

ELECTRICAL CHARACTERISTICS

Component I & II - 22 AWG Pairs
 Differential Impedance: 100 Ohms Nominal @ TDR
 Mutual Capacitance: 12.5 pF/ft Nominal
 Velocity of Propagation: 66% Nominal
 Conductor DC Resistance: 0.016 Ohms/ft Nominal @ 20°C

Component III - 22 AWG Single
 Conductor DC Resistance: 0.016 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Listing: Type CL3 as specified in Article 725 of the National Electrical Code
 CSA Certification: AWM II A/B 80°C 300 Volts FT4
 RoHS Compliance: In Accordance to European Directive 2002/95/EC, Issue 13.2.2003

REVISION HISTORY

Rev	Date	By	Description
1	11/22/05	KA	Initial Design

MADISON Cable

Spec Number: 101-3677
 Part Number: 37QGKLF002
 Customer:
 Customer #: