

This specification describes a 100-ohm, 22 AWG, balanced line cable.

CONDUCTOR

Material: Silver-coated Copper
Size: AWG 22
Construction: 19 x 34
OD(nom): .0295"
DC Resistance(max): 16.1 ohms/Mft @ 20 deg. C

INSULATION

Material #1: Extruded Low Density PTFE
Material #2: Spiral-wrapped and fused PTFE Tape
Wall Thickness(nom): .020"
OD(nom): .069"

CABLE

Two(2) of the above insulated conductors and two(2) fillers are cabled together.
Lay(nom): 1-1/2"
OD(nom): .125"

SHIELD #1

Material: Tin-coated Round Copper Braid
Size: AWG 38
Coverage(min): 90%
OD(nom): .143"

SHIELD #2

Material: Tin-coated Round Copper Braid
Size: AWG 38
Coverage(min): 90%
OD(nom): .161"

JACKET

Material: Extruded FEP
Wall Thickness(nom): .011"
OD(nom): .183"

CABLE CHARACTERISTICS

Impedance: 100 ohms +/- 10%
Propagation Delay: 1.29 +/- .05 ns/ft
(Measured Differentially)
Attenuation(nom): 19.1 dB/100m @ 100 MHz
Attenuation(max): 22.0 dB/100m @ 100 MHz
Dielectric Withstand: 1.5 KV rms
Weight(nom): 33 lbs/Mft

COLOR

Blue, Red
Jacket: Transparent Blue

Frequency (MHz)	Attenuation (nom) (dB/100m)
	nom
1	1.6
4	3.4
8	4.8
10	5.4
16	6.9
20	7.9
25	9.2
31.25	10.1
62.5	14.8
100	19.1

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Approved By: Sherry Condrey *Sherry Condrey* Date: 06/14/11

Customer Spec

C	06/14/11	Updated attenuation values
B	06/20/08	Finalized design
A	7/25/97	Added attenuation; Changed color code

Part Number	CAGE Code
22470/9K115X-2(LD)	92607