

This specification describes a 24 AWG, two pair, 100-ohm cable.

CONDUCTOR

Material: Nickel-coated Copper Alloy
Size: AWG 24
Construction: 19 x 36
OD(nom): .0235"
Conductor Resistance(nom): 27.8 ohms/1,000 ft

INSULATION

Material #1: Extruded Expanded PTFE
Material #2: Spiral-wrapped and fused PTFE Tape
OD(nom): .045"

CABLE

Four (4) of the above insulated conductors are cabled together around one (1) PTFE filler.

BINDER TAPE

Material: PTFE Tape

SHIELD

Material: Nickel-coated Copper Round Braid
Coverage(min): 90%

JACKET

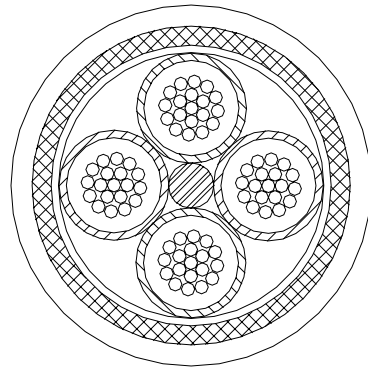
Material: Extruded PFA
OD: .155" \pm .010"

COLOR

Pair #1: Red-Blue
Pair #2: Yellow-Green
Jacket: Translucent Blue

IDENTIFICATION

Material: Polyimide Marker Tape
Legend: Tensolite 24443/03130X-4LD 92607



CABLE CHARACTERISTICS

Differential Impedance: 100 \pm 10 ohms
Capacitance (nom): 13 pF/ft
Attenuation(nom): 1.5 dB/100ft @ 1 MHz
Velocity of Propagation (nom): 78%
Temperature Rating: -65°C to +260°C
Weight (nom): 23.5 lbs/1,000 ft
Weight(max): 26.0 lbs/1,000 ft

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TENSOLITE COMPANY
SUBSIDIARY OF CARLISLE CORPORATION
ST. AUGUSTINE, FL

Drawn by: Chris Lowe Date: 11/26/03

Approved By: Lira Stewart Date: 11/26/03

Description:
100-Ohm Cable

A	11/26/03	Deleted flat shield. Changed shield plating from tin to nickel. Changed jacket from FEP to PFA. Customer requires 260°C.
-	6/11/03	Initial Release

Part Number:	Cage Code
24443/03130X-4(LD)	92607