

CHEMINAX

RADIO FREQUENCY MULTIPLEX, DATA BUS MIL-STD-1553,
77 - OHM TWIN, AWG 24

Date: 2-11-83
Revision: C

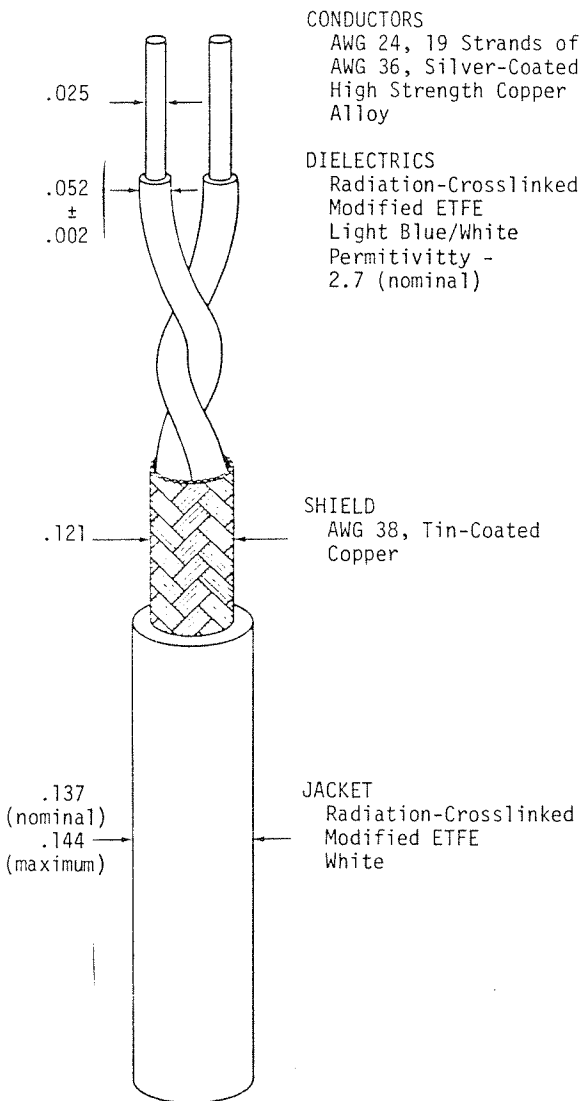
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED. METRIC UNITS SHOWN IN PARENTHESES ARE APPROXIMATE EQUIVALENTS IN MILLIMETERS AND ARE FOR INFORMATION ONLY.

CHARACTERISTIC IMPEDANCE 77 ± 5 ohms, Method C at 1 MHz
CAPACITANCE, MUTUAL 30 pF/ft (maximum)
ATTENUATION 1.0 db/100 ft. (nominal) at 1 MHz
1.4 db/100 ft. (maximum) at 1 MHz



CONDUCTORS
AWG 24, 19 Strands of High Strength Copper Alloy
AWG 36, Silver-Coated High Strength Copper Alloy

DIELECTRICS
Radiation-Crosslinked Modified ETFE
Light Blue/White
Permittivity - 2.7 (nominal)

SHIELD
AWG 38, Tin-Coated Copper

JACKET
Radiation-Crosslinked Modified ETFE
White

ADDITIONAL REQUIREMENTS

COMPONENT WIRE PRIOR TO CABLING (Per MIL-W-22759)

ACCELERATED AGING 300 ± 3°C for 7 hours, .500 in. mandrel, .375 lb
(Per MIL-W-22759 Life Cycle Procedure) 2.5 kV dielectric test

COLD BEND -65 ± 2°C for 4 hours, .750 in. mandrel, 1.00 lb
2.5 kV dielectric test

SHRINKAGE 200 ± 3°C for 6 hours, .125 in. (maximum) in 12 in.

INSULATION RESISTANCE 5000 MΩ for 1000 ft. (minimum)

TENSILE STRENGTH 5000 psi (minimum)

ELONGATION 50% (minimum)

IMPULSE DIELECTRIC TEST 8.0 kV (peak), 100% test

FINISHED CABLE (Per MIL-C-27500)

BLOCKING 200°C for 6 hours

COLD BEND -65 ± 2°C for 4 hours, 3 in. mandrel

THERMAL SHOCK 300 ± 5°C for 6 hours, 1.25 in. mandrel

FLAMMABILITY 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue
(Per Raychem Spec 55A, Procedure 1)

WEIGHT 14.2 lbs/1000 ft. (maximum)

SHIELD COVERAGE 90% (minimum)

JACKET FLAWS 1000 volts, 60 Hz, 100% test

VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms)(minimum)

WALL THICKNESS .008 inch (nominal)

TENSILE STRENGTH 5000 psi (minimum)

ELONGATION 50% (minimum)

The length of lay shall be .75 inches (minimum) to 1.25 inches (maximum).

(†) Designate outer jacket color with a dash number in accordance with MIL-STD-681.

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)