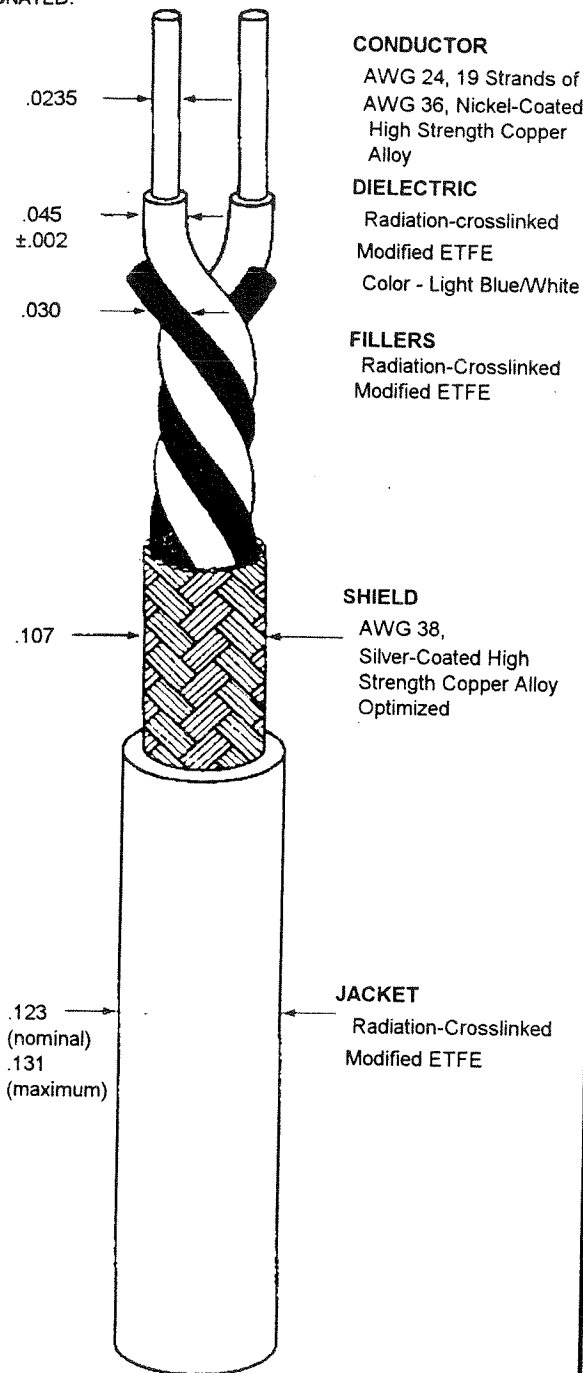


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CONDUCTOR
AWG 24, 19 Strands of
AWG 36, Nickel-Coated
High Strength Copper
Alloy

DIELECTRIC
Radiation-crosslinked
Modified ETFE
Color - Light Blue/White

FILLERS
Radiation-Crosslinked
Modified ETFE

SHIELD
AWG 38,
Silver-Coated High
Strength Copper Alloy
Optimized

JACKET
Radiation-Crosslinked
Modified ETFE

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	30 pF/ft. (maximum)
CAPACITANCE UNBALANCE	5% (maximum)
ATTENUATION	1.4 dB/100 ft. (maximum) at 1 MHz
SURFACE TRANSFER IMPEDANCE	100 milliohms/meter (maximum) per MIL-C-85458 at 30 MHz

ADDITIONAL REQUIREMENTS

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

ACCELERATED AGING (per MIL-W-22759 Life Cycle procedure)	300 ± 3°C for 1 hours, .500 inch mandrel, .375 lb., 2.5 kV dielectric test
* LOW TEMPERATURE COLD BEND	-65 ± 2°C for 4 hours, .500 inch mandrel, 1.00 lb., 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 1 hours, .125 inch (maximum) in 12 inches
* INSULATION RESISTANCE	5000 megohms for 1000 ft.
INSULATION (DIELECTRIC) TENSILE STRENGTH	5000 lbf/in ² (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
* LOW TEMPERATURE COLD BEND	-55 ± 5°C for 4 hours
CROSSLINKED VERIFICATION	3.00 inch mandrel
*FLAMMABILITY (per Raychem Spec. 55A, procedure 1)	300 ± 5°C for 1 hour, 3.00 inch mandrel
JACKET FLAWS	3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue
SPARK TEST	1000 volts (rms), 60 Hz, 100% test
IMPULSE TEST	6.0 kV (peak)
JACKET TENSILE STRENGTH	5000 lbf/in ² (minimum)
ELONGATION	50% (minimum)
SHIELD COVERAGE	90% (minimum)
JACKET THICKNESS	.008 (nominal) .005 (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

*Qualification Test

The length of lay shall be .3.0 inch (maximum).

WEIGHT 15.5 lbs/1000 ft. (maximum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724L0666-9) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681