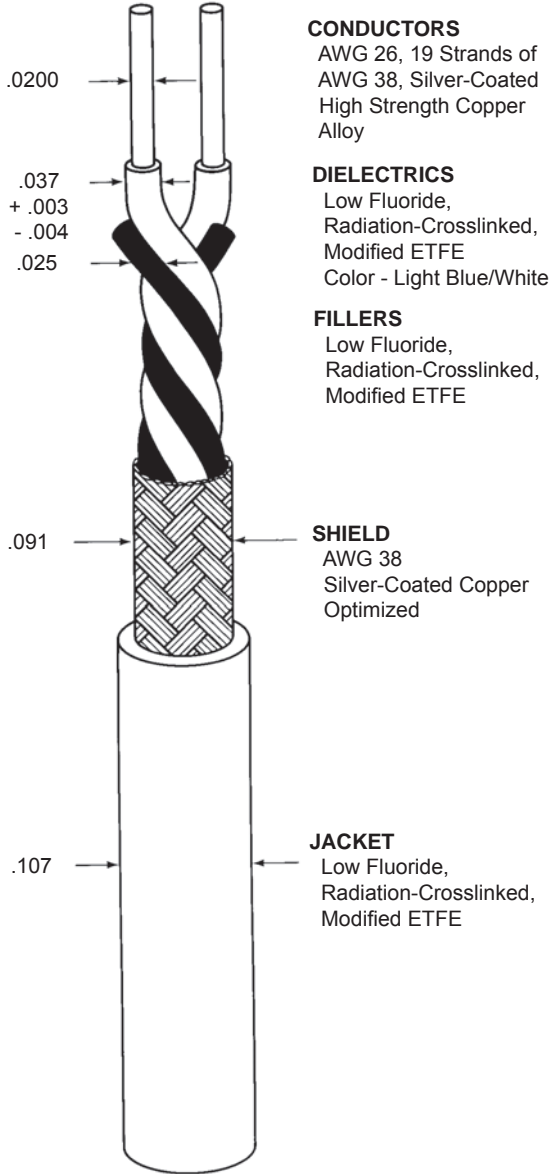


SPECIFICATION CONTROL DRAWING		7726S1LL4
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CHEMINAX	77 OHM, AWG 26, 19 STRANDS OF AWG 38, DATA BUS, OPTIMIZED SINGLE SHIELD, MIL-STD-1553, LOW FLUORIDE, OUTER SPACE USE	Date	9-3-08
		Revision	B

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

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CONDUCTORS
AWG 26, 19 Strands of
AWG 38, Silver-Coated
High Strength Copper
Alloy

DIELECTRICS
Low Fluoride,
Radiation-Crosslinked,
Modified ETFE
Color - Light Blue/White

FILLERS
Low Fluoride,
Radiation-Crosslinked,
Modified ETFE

SHIELD
AWG 38
Silver-Coated Copper
Optimized

JACKET
Low Fluoride,
Radiation-Crosslinked,
Modified ETFE

CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	30.0 pF/ft. (maximum)
ATTENUATION	1.5 dB/100 ft. (maximum) at 1 MHz
SURFACE TRANSFER IMPEDANCE	100 milliohms/meter (maximum) (Per MIL-C-85485 at 30 MHz)

ADDITIONAL REQUIREMENTS

FLUORIDE EXTRACTION (Dielectrics and Fillers prior to cabling; and Jacket - per Raychem Spec 55/)	70 ± 2°C for 168 hours, 20 ppm (maximum)
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COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)

CROSSLINK PROOF	300 ± 3°C for 1 hour, .500 inch mandrel, .250 lb., 2.5 kV dielectric test
INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
INSULATION FLAWS	
SPARK TEST	3.0 kV (rms)
IMPULSE TEST	8.0 kV (peak)
INSULATION RESISTANCE	5000 megohms for 1000 ft. (minimum)
LOW TEMPERATURE-COLD BEND	-65 ± 3°C for 4 hours, .500 inch mandrel, .500 lb., 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches

FINISHED CABLE

(Test Procedures per NEMA WC 27500, unless otherwise specified)

BLOCKING	200°C for 6 hours
CABLE LAY LENGTH	.75 inch (minimum), 1.25 inches (maximum)
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 3.00 inch mandrel
FLAMMABILITY	3 seconds (maximum); 3 inches (maximum); no flaming of facial tissue
(Method B of Spec 1200)	
JACKET	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
JACKET THICKNESS	.008 inch (nominal)
LOW TEMPERATURE-COLD BEND	-55 ± 5°C for 4 hours, 3.00 inch mandrel
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)
WEIGHT	10.4 lbs/1000 ft. (nominal)

OUTER SPACE REQUIREMENTS

RADIATION RESISTANCE	500 megarads/3.25 inch mandrel 1.0 kV dielectric test
VACUUM STABILITY	
TOTAL MASS LOSS (TML)	1.00% (maximum)
VOLATILE CONDENSABLE MATERIAL (VCM)	0.10% (maximum)
WEIGHT LOSS: (Per Raychem Spec 55/)	0.45% (maximum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7726S1LL4-9) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.