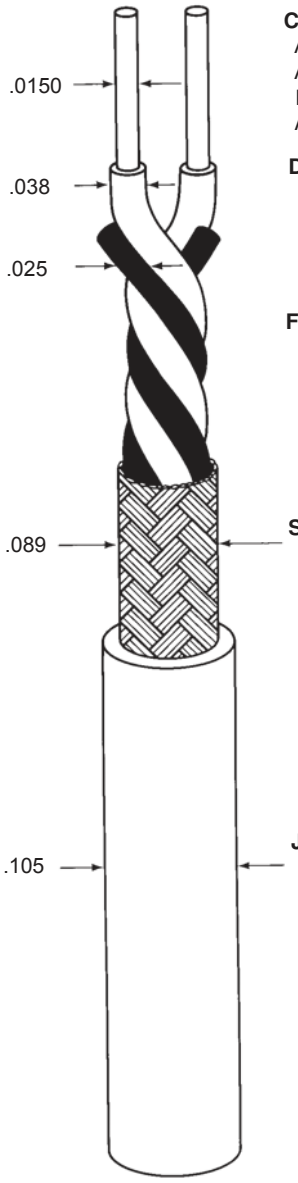
SPECIFICATION CONTROL DRAWING			0028S1664
CHEMINAX	100 OHM, AWG 28, 7 STRANDS OF AWG 36, TWINAXIAL CABLE, OUTER SPACE USE	Date	12-31-08
		Revision	C

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.



CONDUCTORS
AWG 28, 7 Strands of AWG 36, Silver-Coated High Strength Copper Alloy

DIELECTRICS
Radiation-Crosslinked, Modified ETFE (Dual Extruded)
Colors - Light Blue/White

FILLERS
Radiation-Crosslinked, Modified ETFE

SHIELD
AWG 40, Silver-Coated Copper

JACKET
Radiation-Crosslinked, Modified ETFE

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0028S1664-9) 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.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	100 ± 6 ohms, Method D at 1 MHz
MUTUAL CAPACITANCE	18.3 pF/ft. (nominal)

ADDITIONAL REQUIREMENTS

COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)

CROSSLINK PROOF	300 ± 3°C for 1 hour, .500 inch mandrel, .375 lb., 2.5 kV dielectric test
INSULATION (DIELECTRIC)	
(Total Insulation)	
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, .375 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
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 3.00 inch mandrel
FLAMMABILITY	3 seconds (maximum); 3 inches (maximum);
(Method B of Spec 1200)	no flaming of facial tissue
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
SHIELD COVERAGE	90% (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)
WEIGHT	8.9 lbs/1000 ft. (nominal)

OUTER SPACE REQUIREMENTS

RADIATION RESISTANCE	500 megarads/3.00 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 (Test per Spec 55/):	0.45% (maximum)

Tyco Electronics

Raychem Wire & Cable
501 Oakside Avenue
Redwood City, California 94063-3800
1-800-227-8816 Fax: 1-650-361-6297

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