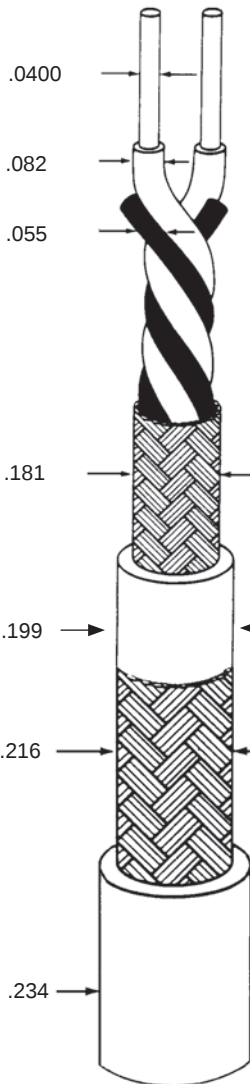


SPECIFICATION CONTROL DRAWING		7720C5662	
CHEMINAX	77 OHM, AWG 20, 19 STRANDS OF AWG 32, DATA BUS CABLE	Date	8-20-12
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 20, 19 Strands of AWG 32, Silver-Coated Copper DIELECTRICS Radiation-Crosslinked, Modified ETFE Colors - Light Blue / White FILLERS Radiation-Crosslinked, Modified ETFE 1st SHIELD AWG 38, Silver-Coated Copper 1st JACKET Radiation-Crosslinked, Modified ETFE 2nd SHIELD AWG 38, Silver-Coated Copper 2nd JACKET Radiation-Crosslinked, Modified ETFE		CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
		MUTUAL CAPACITANCE	30 pF/ft. (maximum)
		ATTENUATION	1.0 dB/100 ft. (nominal) at 1 MHz
		ADDITIONAL REQUIREMENTS	
		COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)	
		CROSSLINKING PROOF TEST	300 ± 3°C for 1 hour, 1.00 inch mandrel, .625 lb., 2.5 kV dielectric test
		CONDUCTOR RESISTANCE	8.87 ohms/1000 ft. (nominal)
		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, .750 inch mandrel, 1.00 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, 6.00 inch mandrel		
FLAMMABILITY (Method B of Spec 1200)	3 seconds (maximum); 3 inches (maximum); 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 (each)	.009 inch (nominal)		
LOW TEMPERATURE-COLD BEND	-55 ± 5°C for 4 hours, 6.00 inch mandrel		
SHIELD COVERAGE (each)	90% (minimum)		
VOLTAGE WITHSTAND			
CONDUCTOR TO SHIELD	1500 volts (rms)		
SHIELD TO SHIELD	500 volts (rms)		
WEIGHT 45.9 lbs/1000 ft. (nominal)			
Outer jacket color will be white (designated by a “-9” appended to the part number, e.g. 7720C5662-9) 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 Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.			
Page 1 of 1	Cheminax, Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.		



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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.

Mouser Electronics

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