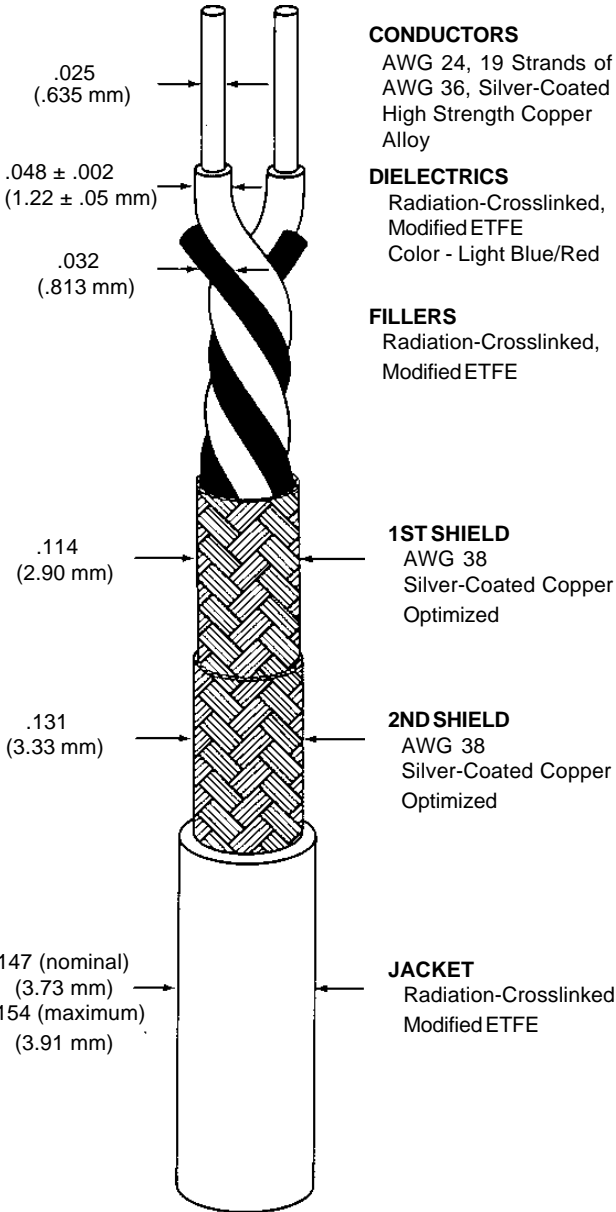


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

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. (98 pF/m) (maximum)
ATTENUATION	1.4 dB/100 ft. (4.6 dB/100 m) (maximum) at 1 MHz
SURFACE TRANSFER IMPEDANCE	10 milliohms/meter (maximum) (Per MIL-C-85485 at 30 MHz)

ADDITIONAL REQUIREMENTS

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

CROSSLINKPROOF	300 ± 3°C for 1 hour, .625 inch (15.9 mm) mandrel, .375 lb. (170g), 2.5 kV dielectric test
INSULATION (DIELECTRIC) ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (34 N/mm ²) (minimum)
INSULATION FLAWS	
SPARK TEST	3.0 kV (rms)
IMPULSE TEST	8.0 kV (peak)
INSULATION RESISTANCE	5000 megohms for 1000 ft. (minimum) (1525 megohms-km) (minimum)
LOW TEMPERATURE-COLD BEND	-65 ± 3°C for 4 hours, .500 inch (12.7 mm) mandrel, 1.00 lb. (454g), 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 1 hour, .125 inch (3.18 mm) (maximum) in 12 inches (305 mm)

FINISHED CABLE (Test Procedures per NEMA WC27500)

BLOCKING	200°C for 6 hours
CABLE LAY	.75 inch (minimum), 1.25 inches (maximum)
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 6.00 inch (152 mm) mandrel
FLAMMABILITY (Method B of Spec 1200)	3 seconds (maximum); 3 inch (76.2 mm) (maximum); no flaming of facial tissue
JACKET ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (34 N/mm ²) (minimum)
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
JACKET THICKNESS	.008 inch (.203 mm) (nominal)
LOW TEMPERATURE-COLD BEND	-55 ± 5°C for 4 hours, 6.00 inch (152 mm) mandrel
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)
WEIGHT	22.0 lbs/1000 ft. (32.7 kg/km) (nominal)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g., EPD31346A-9-US) unless otherwise specified. When optional component wire colors " light blue and white " are required, the component wire colors will be designated with a slash separating the component wire colors from the jacket color (e.g., EPD31346A-6L/9-9-US)

Color code designators shall be 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.