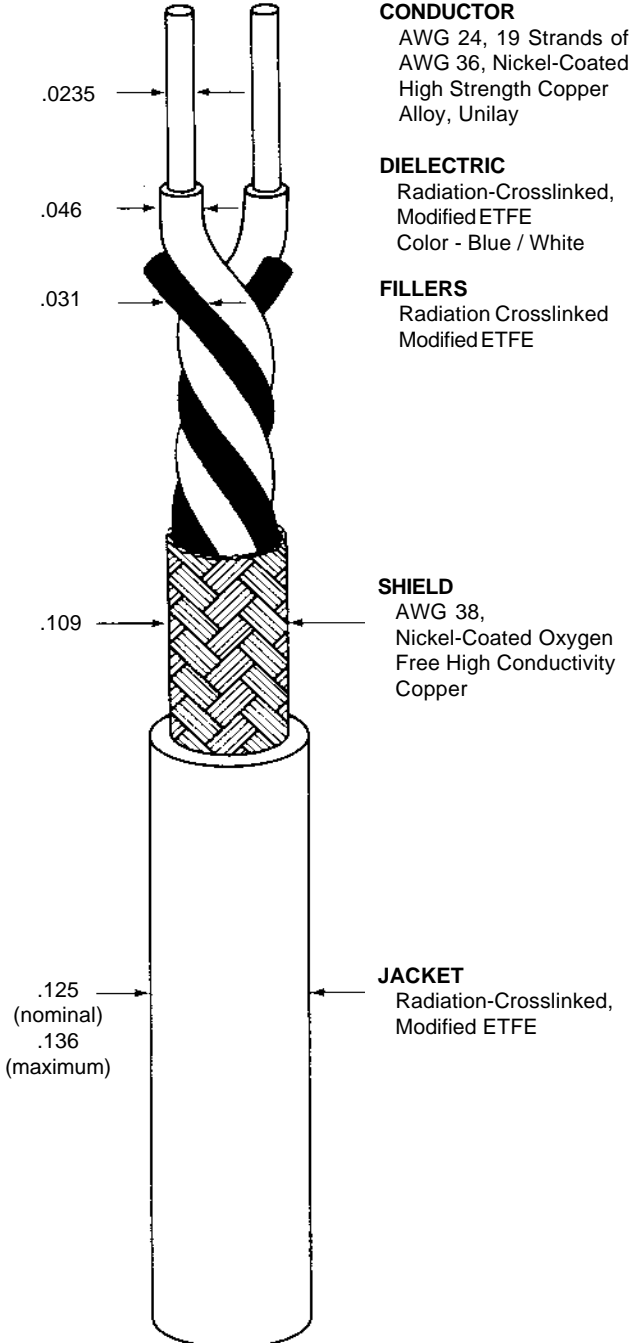


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



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

DIELECTRIC
Radiation-Crosslinked,
Modified ETFE
Color - Blue / White

FILLERS
Radiation Crosslinked
Modified ETFE

SHIELD
AWG 38,
Nickel-Coated Oxygen
Free High Conductivity
Copper

JACKET
Radiation-Crosslinked,
Modified ETFE

CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
CAPACITANCE-	
CONDUCTOR TO CONDUCTOR	30 pF/ft. (maximum) at 1 MHz
CONDUCTOR TO SHIELD	42 pF/ft. (maximum) at 1 MHz
ATTENUATION	1.5 dB/100 ft. (maximum) at 1 MHz

ADDITIONAL REQUIREMENTS

COMPONENT WIRE PRIOR TO CABLING
(Test Procedures per MIL-W-22759)

CROSSLINK PROOF	300 ± 3°C for 1 hour, .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 6 hours, .125 inch (maximum) in 12 inches
INSULATION RESISTANCE	5000 megohms for 1000 ft. (minimum)
INSULATION (DIELECTRIC) TENSILE STRENGTH	5000 lbf/in ² (minimum)
ELONGATION	50% (minimum)
INSULATION FLAWS	
SPARK TEST	3000 volts (rms)
IMPULSE TEST	8.0 kV (peak)

FINISHED CABLE (Test Procedures per NEMA WC27500)

BLOCKING	200°C for 6 hours
LOW TEMPERATURE COLD BEND	-55 ± 5°C for 4 hours 6.0 inch mandrel
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 6.0 inch mandrel
FLAMMABILITY (Method B per Spec. 1200)	3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue
SHIELD COVERAGE	90% (minimum)
JACKET FLAWS	
SPARK TEST	1000 volts (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)
JACKET THICKNESS	.008 inch (nominal)
JACKET	
TENSILE STRENGTH	5000 lbf/in ² (minimum)
ELONGATION	50% (minimum)

WEIGHT 14.8 lbs/1000 ft. (maximum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. EPD6314-24-9) 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.