

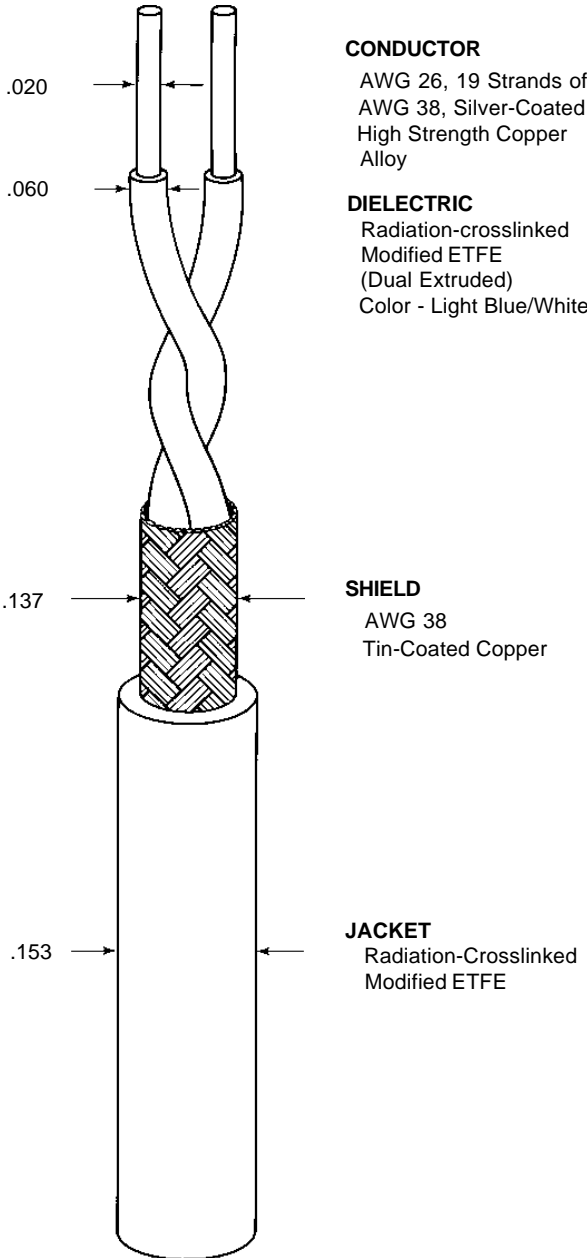
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

| | |
|--------------------------|----------------------------------|
| CHARACTERISTIC IMPEDANCE | 100 ± 10 ohms, Method D at 1 MHz |
| CAPACITANCE - MUTUAL | 16.0 pF/ft. (nominal) |



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

DIELECTRIC
Radiation-crosslinked
Modified ETFE
(Dual Extruded)
Color - Light Blue/White

SHIELD
AWG 38
Tin-Coated Copper

JACKET
Radiation-Crosslinked
Modified ETFE

ADDITIONAL REQUIREMENTS

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

| | |
|--|--|
| CROSSLINK PROOF | 300 ± 3°C for 1 hour, .750 inch mandrel, .625 lb., 2.5 kV dielectric test |
| LOW TEMPERATURE COLD BEND | -65 ± 2°C for 4 hours, .500 inch mandrel, .500 lb., 2.5 kV dielectric test |
| SHRINKAGE | 200 ± 3°C for 1 hours, .125 inch (maximum) in 12 inches |
| INSULATION RESISTANCE | 5000 megohms for 1000 ft. (minimum) |
| INSULATION (DIELECTRIC) (total insulation) | |
| TENSILE STRENGTH | 5000 lbf/in ² (minimum) |
| ELONGATION | 50% (minimum) |
| INSULATION FLAWS | |
| SPARK TEST | 3.0 kV (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 of Spec 1200) | 3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue |
| JACKET FLAWS | |
| SPARK TEST | 1.0 kV (rms) |
| IMPULSE TEST | 6.0 kV (peak) |
| JACKET | |
| TENSILE STRENGTH | 5000 lbf/in ² (minimum) |
| ELONGATION | 50% (minimum) |
| JACKET THICKNESS | .005 (minimum) .008 (nominal) |
| SHIELD COVERAGE | 90% (minimum) |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1500 volts (rms) |
| WEIGHT | 14.6 lbs/1000 ft. (nominal) |

OUTER SPACE REQUIREMENTS

| | |
|-------------------------------------|--------------------------------|
| RADIATION RESISTANCE | 500 megarads/4.50 inch mandrel |
| VACUUM STABILITY | |
| TOTAL MASS LOSS (TML) | 1.0% (maximum) |
| VOLATILE CONDENSABLE MATERIAL (VCM) | 0.1% (maximum) |
| WEIGHT LOSS: (Test per Spec 55/) | 0.45% (maximum) |

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0026A0664-9) 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.