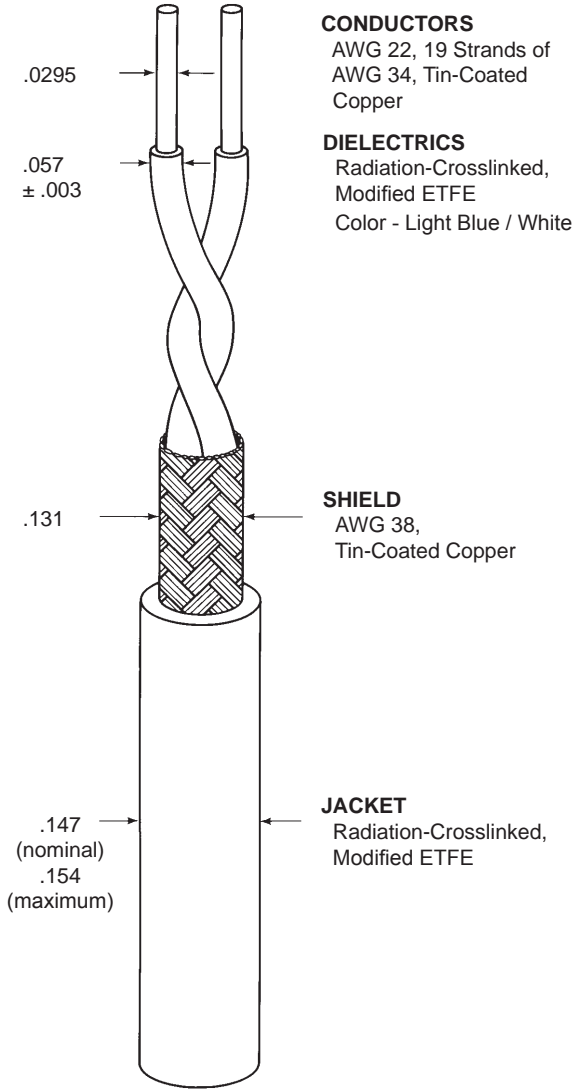


| | | | |
|--------------------------------------|--|--------------|---------|
| SPECIFICATION CONTROL DRAWING | | 10599 | |
| CHEMINAX | 70 OHM, AWG 22, 19 STRANDS OF AWG 34, DATA BUS CABLE, MIL-STD-1553A | Date | 3-20-12 |
| | | Revision | J |

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 22, 19 Strands of
AWG 34, Tin-Coated
Copper

DIELECTRICS
Radiation-Crosslinked,
Modified ETFE
Color - Light Blue / White

SHIELD
AWG 38,
Tin-Coated Copper

JACKET
Radiation-Crosslinked,
Modified ETFE

| | |
|--------------------------|-----------------------------------|
| CHARACTERISTIC IMPEDANCE | 70 ± 5 ohms, Method C at 1 MHz |
| MUTUAL CAPACITANCE | 30 pF/ft. (maximum) |
| ATTENUATION | 1.0 dB/100 ft. (maximum) at 1 MHz |

ADDITIONAL REQUIREMENTS

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

| | |
|------------------------------------|--|
| CROSSLINKING PROOF TEST | 300 ± 3°C for 7 hours, .500 inch mandrel, .500 lb., 2.5 kV dielectric test |
| INSULATION (DIELECTRIC) 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, 1.00 inch mandrel, 1.00 lb., 2.5 kV dielectric test |
| SHRINKAGE | 200 ± 3°C for 6 hours, .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 inch (maximum) |
| CROSSLINKED VERIFICATION | 300 ± 5°C for 6 hours, 1.75 inch mandrel |
| FLAMMABILITY | 3 seconds (maximum); 3 inch (maximum); no flaming of facial tissue (Method B of Spec 1200) |
| 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, 6.00 inch mandrel |
| SHIELD COVERAGE | 90% (minimum) |
| TEMPERATURE RATING | -65°C to 150°C |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1000 volts (rms) (minimum) |

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 10599-22-9) 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.

CABLE IDENTIFICATION: Outer jacket shall be marked in contrasting color at 12 inch (nominal) intervals as follows: " 10599 - XXXXX " (XXXXX = CAGE code)
Example: " 10599 - 06090 " for US manufacture
" 10599 - K1010 " for UK manufacture

WEIGHT 17.6 lbs/1000 ft. (maximum)

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.



单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)