SPECIFICATION CONTROL DRAWING

CHEMINAX

.0400

.239

.289

120 OHM, AWG 20, 19 STRANDS OF AWG 32, OPTIMIZED SHIELD, TWINAXIAL CABLE

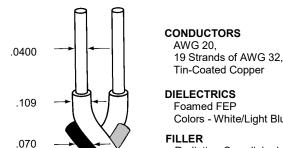
Date: Revision: D

2020E0421

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.



Colors - White/Light Blue

Radiation-Crosslinked, Modified ETFE

DRAINWIRE

AWG 20, 19 Strands of AWG 32, Tin-Coated Copper

SHIELD

JACKET

Modified FEP

AWG 36, Tin-Coated Copper, Optimized

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz

with shield grounded

MUTUAL CAPACITANCE 10.5 pF/ft. (nominal) VELOCITY OF PROPAGATION 78% (nominal)

SURFACE TRANSFER IMPEDANCE 50 milliohms/meter (maximum) (per SAE AS85485)

at 100 kHz to 20 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 9.53 ohms/1000 ft. (nominal)

(prior to cabling)

INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.

JACKET FLAWS

1.0 kV (rms) SPARK TEST 6.0 kV (peak) IMPULSE TEST VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts (rms)

ENVIRONMENTAL

FLAMMABILITY Method B HEAT SHOCK 225°C

LOW TEMPERATURE-COLD BEND -55°C/8.00 inch mandrel VOLTAGE WITHSTAND 1000 volts (rms), 1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

(prior to cabling)

ELONGATION 50% (minimum) 600 lbf/in² (minimum) TENSILE STRENGTH

JACKET

ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in2 (minimum) JACKET THICKNESS .025 inch (nominal)

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be translucent white designated by a "-9X" appended to the part number, (e.g. 2020E0421-9X).

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT

ENGINEERING REFERENCE

TEMPERATURE RATING 150°C (maximum)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

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59.3 lbs/1000 ft. (nominal)