SPECIFICATION CONTROL DRAWING

CHEMINAX

50 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE

Date 3-26-13
Revision F

5028H1667

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 28, 7 Strands of AWG 36, Tin-Coated Copper Clad Steel

DIELECTRIC

Radiation-Crosslinked, Modified ETFE (Dual Extruded) Color - White

SHIELD

AWG 38, Tin-Coated Copper

JACKET

Radiation-Crosslinked,

Modified ETFE

CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A

CAPACITANCE 32.8 pF/ft. (nominal)

ADDITIONAL REQUIREMENTS

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

CONDUCTOR RESISTANCE CROSSLINKING PROOF TEST

162. ohms/1000 ft. (nominal) 300 ± 3°C for 1 hour, .625 inch mandrel, .500 lb., 2.5 kV dielectric test

INSULATION (DIELECTRIC)

(total insulation)

ELONGATION 50% (minimum)
TENSILE STRENGTH 5000 lbf/in² (minimum)

INSULATION FLAWS

SPARK TEST 3.0 kV (rms) IMPULSE TEST 8.0 kV (peak)

INSULATION RESISTANCE 5. LOW TEMPERATURE-COLD BEND -

5000 megohms for 1000 ft. (minimum) -65 ± 3°C for 4 hours, .375 inch mandrel,

.500 lb., 2.5 kV dielectric test SHRINKAGE 200 \pm 3°C for 1 hour,

.125 inch (maximum) in 12 inches

FINISHED CABLE

(Test Procedures per NEMA WC 27500, unless otherwise specified)

BLOCKING CROSSLINKED VERIFICATION

FLAMMABILITY

(Method B of Spec 1200)

JACKET

ELONGATION

TENSILE STRENGTH

JACKET FLAWS SPARK TEST

IMPULSE TEST JACKET THICKNESS

LOW TEMPERATURE-COLD BEND

SHIELD COVERAGE VOLTAGE WITHSTAND (DIELECTRIC)

WEIGHT

200°C for 6 hours

300 ± 5°C for 6 hours, 3.00 inch mandrel 3 seconds (maximum); 3 inches (maximum);

no flaming of facial tissue

50% (minimum) 5000 lbf/in² (minimum)

1.0 kV (rms) 6.0 kV (peak)

.010 inch (nominal)

-55 ± 5°C for 4 hours, 3.00 inch mandrel

90% (minimum) 1500 volts (rms)

6.6 lbs/1000 ft. (nominal)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g.5028H1667-9) 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 Corporation 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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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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)