### SPECIFICATION CONTROL DRAWING

10613



.0250

(.635 mm)

.048 ± .002

 $(1.22 \pm .05 mm)$ 

.032

(.813 mm)

113

(2.87 mm)

.130

(3.30 mm)

.146 (3.71 mm)

(nominal)

.154 (3.91 mm)

(maximum)

(e.g. 10613-24-9).

purchase order.

77 OHM, AWG 24, 19 STRANDS OF AWG 36, OPTIMIZED DOUBLE SHIELDS, DATA BUS CABLE, MIL-STD-1553 Date: 2-13-18
Revision: T

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

# CONSTRUCTION DETAILS DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE

**CONDUCTORS** 

**DIELECTRICS** 

**FILLERS** 

1st SHIELD

AWG 38.

Optimized

2nd SHIELD

AWG 38,

Optimized

**JACKET** 

The conductor AWG size and outer jacket color will be appended to

the part number. Unless otherwise specified, outer jacket color will be white designated by a "-9" 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

Tin-Coated Copper,

Tin-Coated Copper,

Radiation-Crosslinked,

Modified ETFE

Modified ETFE

Modified ETFE

19 Strands of AWG 36,

Silver-Coated High-

Strength Copper Alloy

Radiation-Crosslinked,

Colors - Light Blue/White

Radiation-Crosslinked,

AWG 24,

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE 77  $\pm$  5 ohms, Method C at 1 MHz MUTUAL CAPACITANCE 30.0 pF/ft. (98.4 pF/m) (maximum)

ATTENUATION 1.4 dB/100 ft. (4.59 dB/100 m) (maximum)

at 1 MHz

SURFACE TRANSFER IMPEDANCE 10 milliohms/meter (maximum)

(Per SAE AS85485)

at 30 MHz

#### ADDITIONAL REQUIREMENTS

### COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)

CONDUCTOR RESISTANCE 26.5 ohms/1000 ft. (86.9 ohms/km) (nominal)

CROSSLINKING PROOF TEST 300 ± 3°C for 1 hour,

.500 inch *(12.7 mm)* mandrel, .375 lb *(170 g)*, 2.5 kV dielectric test

INSULATION (DIELECTRIC)

ELONGATION 50% (minimum)

TENSILE STRENGTH 5000 lbf/in² (34.5 N/mm²) (minimum)

INSULATION FLAWS

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

INSULATION RESISTANCE 5000 megohms for 1000 ft.
(1524 megohms-km) (minimum)

LOW TEMPERATURE-COLD BEND -65 ± 3°C for 4 hours,

.750 inch *(19.1 mm)* mandrel, 1.00 lb *(454 g)*, 2.5 kV dielectric test

SHRINKAGE 200 ± 3°C for 1 hour,

.125 inch (3.18 mm) (maximum)

in 12 inches (305 mm)

#### FINISHED CABLE

#### (Test procedures per NEMA WC 27500, unless otherwise specified)

BLOCKING 200°C for 6 hours

CABLE LAY LENGTH .75 inch (19.1 mm) (minimum), 1.25 inches (31.8 mm) (maximum)

CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 6.00 inch (152 mm) mandrel

FLAMMABILITY 3 seconds (maximum);

(Method B of Spec 1200) 3 inches (76.2 mm) (maximum); no flaming of facial tissue

JACKET

ELONGATION 50% (minimum)

TENSILE STRENGTH 5000 lbf/in² (34.5 N/mm²) (minimum)

JACKET FLAWS SPARK TEST 1.0 kV (rms)

IMPULSE TEST 6.0 kV (peak)

JACKET THICKNESS .008 inch (.203 mm) (nominal) LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours,

6.00 inch (152 mm) mandrel

6.00 inch *(152 mm)* mandrel 1000 volts (rms) (minimum)

VOLTAGE WITHSTAND

(DIELECTRIC)

WEIGHT 26.2 lbs/1000 ft. (39.0 kg/km) (maximum)

CABLE IDENTIFICATION: Outer jacket shall be marked in contrasting color at 12 inch (305 mm) (nominal) intervals between marks as follows: "10613 RAYCHEM"

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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Raychem Wire & Cable 501 Oakside Avenue Redwood City, California 94063-3800 Phone: 1-800-522-6752 Fax: 1-650-361-6297 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)