

SPECIFICATION CONTROL DRAWING

CXA-0140

TITLE

TWO CONDUCTOR CABLE,

JACKETED, LIGHTWEIGHT, GENERAL PURPOSE, 600 VOLT

Date

8-23-96

Revision

A

This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-C-27500 as applicable.



COMPONENT WIRES - WXA-0059

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
CXA-0140-24	24	.006	.008	.106	.111	6.9
CXA-0140-22	22	.006	.008	.120	.126	9.3
CXA-0140-20	20	.006	.008	.136	.143	12.9
CXA-0140-18	18	.006	.008	.158	.166	18.3
CXA-0140-16	16	.006	.008	.174	.183	22.5
CXA-0140-14	14	.006	.008	.202	.212	32.1
CXA-0140-12	12	.007	.009	.246	.258	48.2
CXA-0140-10	10	.007	.009	.296	.311	73.6

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 CROSSLINKED VERIFICATION: 300 ± 3°C for 6 hours
 BLOCKING: 150 ± 3°C for 6 hours
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
 FLAMMABILITY: Procedure 1, 30 seconds (maximum);
 3 in. (maximum); no flaming of facial tissue
 JACKET COLOR: White preferred
 JACKET CONCENTRICITY: 70% (minimum)
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation, 50% (minimum)
 Tensile Strength, 5000 lbf/in² (minimum)

NOTE: Nominal values are for information only.
 Nominal values are not requirements.

TEMPERATURE RATING: 150°C
 LIFE CYCLE: 200 ± 5°C for 168 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 5°C for 4 hours

PART NUMBER:
 The "*" in the part numbers above shall be replaced by
 color code designators with a slash separating the
 component wire colors and a dash separating the
 component wire colors from the jacket color.
 Example: AWG 24, white and black component wires;
 white jacket: CXA-0140-24-9/0-9

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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