

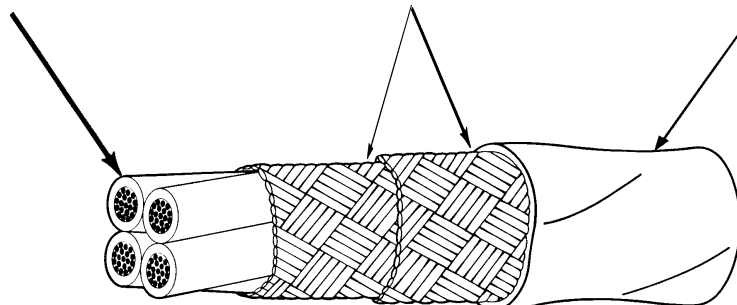
SPECIFICATION CONTROL DRAWING

82A6025TITLE
FOUR CONDUCTOR CABLE, DOUBLE SHIELDED,
JACKETED, LIGHTWEIGHT, FLEXIBLEDate
03-25-04Revision
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This specification sheet forms a part of the latest issue of Raychem Specification 80.

COMPONENT WIRES - 82A0111

SHIELDS - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED FLEXIBLE ETFE

CABLE CONSTRUCTION DETAILS

PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
				MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
82A6025-22-*	22	38	38	.007	.010	.158	.171	28.0

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINKING PROOF TEST: 300 ± 3°C for 7 hour,
15 in. specimen with sufficient weight to keep straight

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 100% (minimum)

Tensile Strength, 3000 lbf/in² (minimum)

JACKET FLAWS:

Spark Test, 1500 volts (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

SHIELD COVERAGE: 85% (minimum) (each)

SHIELD ANGLE: 26° minimum, 30° maximum (each)

VOLTAGE WITHSTAND (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

PART NUMBER

The "*" in the part number above shall be replaced
by a color code designator with a slash separating
the component wire colors and a dash separating
the component wire colors from the jacket color.1/ Example: AWG 20, white, black, red and yellow
component wires; white jacket:
82A6025-20-9/0/2/4-9*Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.**Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.*

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.