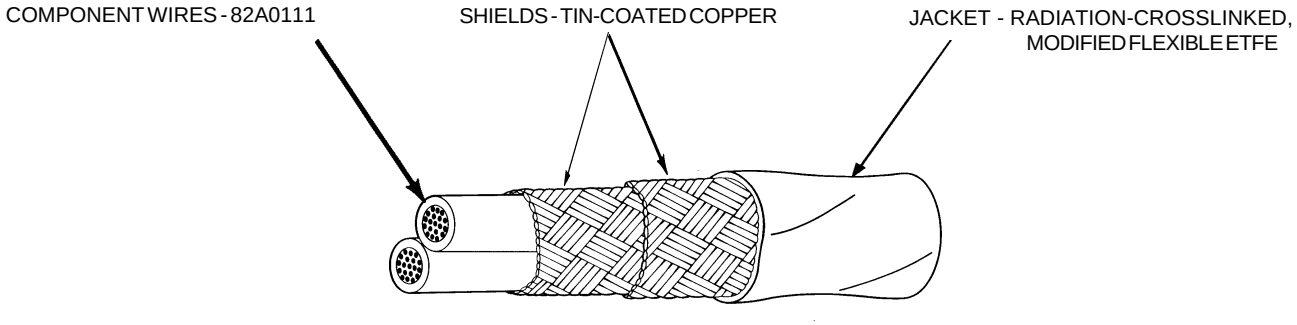
SPECIFICATION CONTROL DRAWING

82A6026

TITLE	Date	Revision
TWO CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, LIGHTWEIGHT, FLEXIBLE	03-25-04	A

This specification sheet forms a part of the latest issue of Raychem Specification 80.



CABLE CONSTRUCTION DETAILS								
PART NUMBER 1/	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	
82A6026-22-*	22	38	38	.007	.010	.140	.151	19.3

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 sufficent 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/in^2 (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 and black component wires; white jacket: 82A6026-20-9/0-9

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.

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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