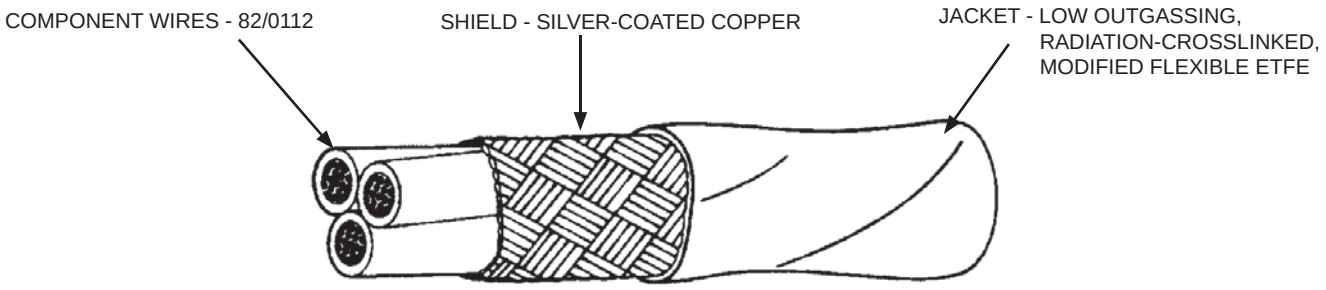
SPECIFICATION CONTROL DRAWING

82/1132

TITLE: THREE CONDUCTOR CABLE, SHIELDED, JACKETED, OUTER SPACE, FLEXIBLE, 600 VOLT

Date: 11-13-13 | Revision: B

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



CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
82/1132-28-*	28	38	.006	.008	.096	.101	9.1
82/1132-26-*	26	38	.006	.009	.106	.112	10.6
82/1132-24-*	24	38	.006	.009	.115	.121	13.4
82/1132-22-*	22	38	.006	.009	.128	.134	16.8
82/1132-20-*	20	38	.007	.010	.151	.159	22.8
82/1132-18-*	18	38	.008	.011	.177	.186	32.8
82/1132-16-*	16	38	.009	.013	.214	.224	47.3
82/1132-14-*	14	38	.010	.014	.259	.272	71.1
82/1132-12-*	12	38	.011	.016	.310	.326	103.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour
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)
Impulse Dielectric Test, 6.0 kV (peak)
RADIATION RESISTANCE (Test per Raychem Spec 55/):
500 megarads

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

SECANT MODULUS (Test per ASTM D 882):
4.0 x 10^4 lbf/in^2 (maximum),
2% strain, 2 inch jaw separation, 0.2 inch/minute
SHIELD COVERAGE: 85% (minimum)
VACUUM STABILITY (Test per ASTM E 595):
Total Mass Loss (TML), 1.00% (maximum)
Volatile Condensable Material (VCM), 0.10% (maximum)
VOLTAGE WITHSTAND (Post Environmental):
1000 volts (rms), 60 Hz, 1 minute

1/ 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. Colors shown do not necessarily reflect the sequence of manufacturing.
Example: AWG 24, black, brown and red component wires; white jacket: 82/1132-24-0/1/2-9

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.

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.

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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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