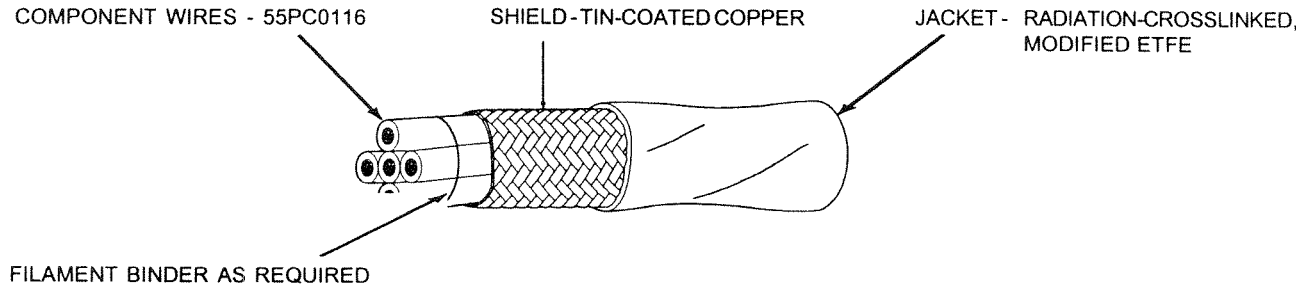
SPECIFICATION CONTROL DRAWING

55PC2156

TITLE	Date	Revision
FIVE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT	2-16-00	E

This specification sheet forms a part of the latest issue of Raychem Specification 55PC.



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (±.0004)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC2156-24-*	24	.0015	.0070	.0090	.109	.123	.137	14.25	15.10
55PC2156-22-*	22	.0015	.0070	.0090	.125	.140	.155	19.52	20.45
55PC2156-20-*	20	.0015	.0075	.0095	.147	.164	.181	28.00	29.17
55PC2156-18-*	18	.0015	.0075	.0095	.172	.191	.209	40.27	41.77
55PC2156-16-*	16	.0015	.0080	.0100	.192	.213	.233	50.38	52.12

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms)
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour
JACKET COLOR: White preferred
JACKET ELONGATION AND TENSILE STRENGTH:
Elongation, 50% (minimum)
Tensile Strength, 5000 lbf/in² (minimum)
JACKET FLAWS:
Spark Test, 1000 volts (rms), 60 Hz, 100% test
Impulse Dielectric Test, 6.0 kV (peak), 100% test

SHIELD COVERAGE: 85% (minimum)
VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
1000 volts (rms), 60 Hz, 1 minute

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 22, red, blue, yellow, green and black component wires; white jacket: 55PC2156-22-2/6/4/5/0-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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

Raychem
300 Constitution Drive, Menlo Park, California 94025
1-800-2 Raychem Fax: 1-415-361-6297

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

55PC2156-24-CML5-9CS2970 55PC2156-24-CML5-9CS2502