

# SPECIFICATION CONTROL DRAWING

**HC1B-7008-XXXX**

TITLE

OPTIMIZED SHIELDED, JACKETED CONDUIT, LIGHT WEIGHT

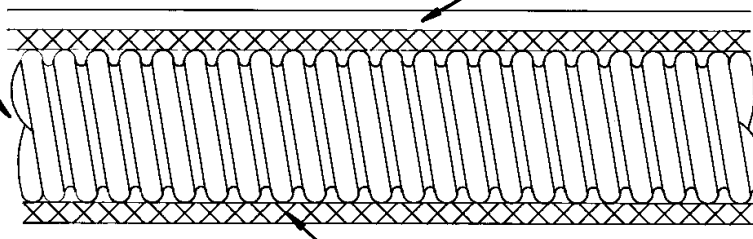
Date

2-9-05

Revision

F

HELICAL CONVOLUTE TUBING - RT-1162

JACKET - FDR-25  
COLOR - BLACK

SHIELD - TIN-COATED COPPER

## CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUIT SIZE (inches)	SHIELD SIZE (AWG)	NOMINAL JACKET THICKNESS (inches)	NOMINAL DIAMETER (inches)	NOMINAL WEIGHT (lb/1000 ft.)
HC1B-7008-0187-0	3/16	36	.035	.381	55.6
HC1B-7008-0281-0	9/32	36	.035	.479	71.9
HC1B-7008-0312-0	5/16	36	.035	.517	81.8
HC1B-7008-0375-0	3/8	36	.035	.591	92.8
HC1B-7008-0437-0	7/16	36	.035	.652	105.
HC1B-7008-0500-0	1/2	36	.035	.730	126.
HC1B-7008-0625-0	5/8	36	.035	.847	151.
HC1B-7008-0750-0	3/4	34	.035	1.01	198.
HC1B-7008-0875-0	7/8	34	.040	1.16	243.
HC1B-7008-1000-0	1	34	.040	1.31	278.

## ADDITIONAL REQUIREMENTS

CABLE JACKET: Tensile Strength, 2000 lbf/in<sup>2</sup> (minimum)  
Elongation, 300% (minimum)

D.C. SHIELD RESISTANCE: 3 ohms/1000 ft. (maximum)

JACKET FLAWS:

Spark Test, 2.5 kV (rms) at 60 Hz

JACKET MARK: " RAYCHEM - Part Number - Year of Manufacture" at 12 inch  
(nominal) intervals in contrasting ink

SURFACE TRANSFER IMPEDANCE: See Page 2

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.

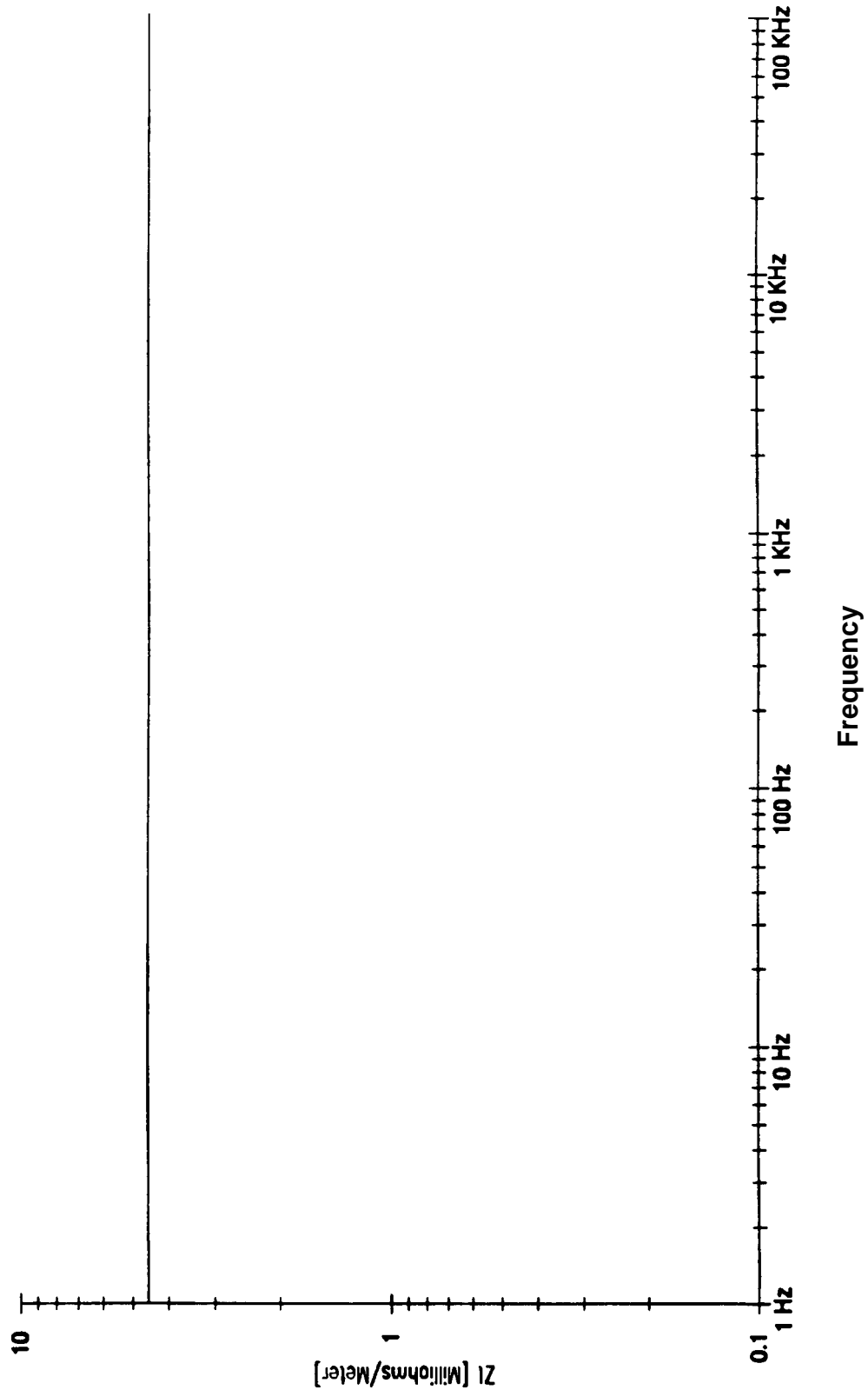
DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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

**tyco**  
Electronics

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Phone: 1-800-227-8816  
Fax: 1-650-361-6297

**Typical Surface Transfer Impedance ( $Z_t$ ) Curve, 1 Hz - 100 KHz  
For HCIB-7008-0312-0**



# Mouser Electronics

Authorized Distributor

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