

Table 1: Dimensions (inches)

Size Number	1 Layer Shield		2 Layer Shield		(B) Maximum Bend Radius 7*		Helical Convolex [®] Size
	(A) Minimum	Weight per 100 Feet	(A) Minimum	Weight per 100 Feet			
1	<u>.240</u> (6,10)	<u>4.1</u> (1,86)	<u>.200</u> (5,08)	<u>6.0</u> (2,72)	<u>.510</u> (12,96)	<u>.88</u> (22,35)	3/8
2	<u>.312</u> (7,92)	<u>5.0</u> (2,27)	<u>.270</u> (6,86)	<u>7.2</u> (3,27)	<u>.571</u> (14,50)	<u>.88</u> (22,35)	7/16
3	<u>.360</u> (9,14)	<u>5.8</u> (2,63)	<u>.320</u> (8,13)	<u>8.6</u> (3,90)	<u>.650</u> (16,51)	<u>1.25</u> (31,75)	1/2
4	<u>.480</u> (12,19)	<u>9.6</u> (4,35)	<u>.440</u> (11,18)	<u>13.4</u> (6,08)	<u>.770</u> (19,56)	<u>1.50</u> (38,10)	5/8
5	<u>.600</u> (15,24)	<u>11.3</u> (5,13)	<u>.560</u> (14,22)	<u>18.0</u> (8,16)	<u>.930</u> (23,62)	<u>1.75</u> (44,45)	3/4
6	<u>.720</u> (18,29)	<u>16.6</u> (7,53)	<u>.680</u> (17,27)	<u>24.1</u> (10,93)	<u>1.073</u> (27,25)	<u>2.00</u> (50,80)	7/8
7	<u>.840</u> (21,34)	<u>19.1</u> (8,66)	<u>.800</u> (20,32)	<u>27.7</u> (12,56)	<u>1.226</u> (31,14)	<u>2.37</u> (60,20)	1
8	<u>1.050</u> (26,67)	<u>28.8</u> (13,06)	<u>1.000</u> (25,40)	<u>43.6</u> (19,78)	<u>1.539</u> (39,30)	<u>2.75</u> (69,85)	1-1/4
9	<u>1.430</u> (36,32)	<u>38.4</u> (17,42)	<u>1.375</u> (34,93)	<u>56.2</u> (25,49)	<u>1.975</u> (50,17)	<u>3.63</u> (92,20)	1-5/8

Notes

- Dimensions in table are in Inches ; lbs.
(millimeters) (kgms)
- Service rating: -55°C (-67°F) to + 150°C (+302°F).
- Two Kevlar[®] strength members placed longitudinally 180° apart between shield and convolex tubing. These Kelvar strength members are to be a minimum of about 12 inches longer than the convolex tubing with a minimum of 6 inches out each end and stored under the removable tubing.
- Consult factory for optional configurations.
- Standard lengths supplied: 4 feet minimum; 24 feet maximum (lengths to be specified when ordering).
- Shield material, tin coated copper per A-A-59569 and QQ-B-575.
- * The recommended minimum bend radius that can be achieved without cross sectional area reduction.
- When used as Maulflex paragraphs 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, and Table 2 inside diameter of RT-1162 are not applicable.

Kevlar[®] is a registered trademark of E.I. du Pont de Nemours & Co

RAYCHEM MOLDED PARTS
CUSTOMER DRAWING

 TE Connectivity			Title: Maulflex Helical Conduit, Inner Shielded		
Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application			Document No : MAULFLEX		
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