

WIRELESS CELL TOWERS

LIGHTER WEIGHT AND GREATER FLEXIBILITY

Wireless carriers use cell towers for transmitting and receiving signals. Cell towers are the main base for transmitting a strong and good communication signal. A cell phone tower is typically a steel or lattice structure that rises hundreds of feet into the air with communication equipment (box) at the base of the tower. The box houses radio transmitters and receivers and enables connectivity with the land line phone network. The radio connects with the antenna on the tower through a set of cables and connectors. These connectors need to be protected from moisture to eliminate corrosion and disturbance in the signals. To help achieve this objective CFM tubes are employed in these harsh environmental conditions because of their excellent sealing properties as the hot melt adhesive enables full encapsulation of cables and connectors at the junction and prevents moisture ingress by providing a moisture proof seal. Using CFM tube in this outdoor application has helped wireless carriers to reduce both the direct costs (system down time for repair and upgrade) and indirect costs (customer complaints). A major advantage of CFM tubes is that they can also assist in identifying different settings or phase by employing a colour coding strategy.

PRODUCT NAME

CFM

PRODUCT DESCRIPTION

Medium wall heat shrink tubing with high resistance to impact and abrasion suitable for low voltage electrical and mechanical applications.



ADVANTAGE

- Superior jacket tear resistance and elastomer characteristic allowing better conformance over irregular contours without splitting.
- Provides mechanical protection and better abrasion resistance in harsh environments, e.g. tube rubbing against sharp objects or in constant friction.
- Provides good strain relief.
- After recovery provides an excellent outer cover for sealing and protection.
- Expanded tube diameters up to 9 in with high 3:1 shrink ratio can help rationalize stock requirements.
- Excellent sealing efficiency ensuring no moisture ingress as the hot melt adhesive enables full encapsulation of cables and connectors.

ADDITIONAL ATTRIBUTES

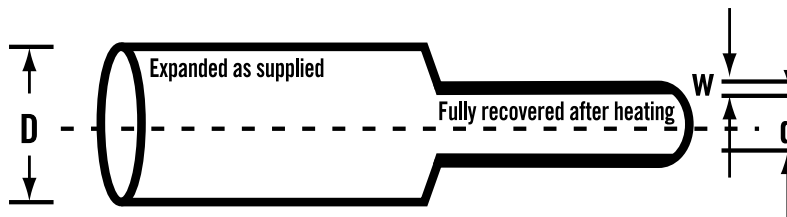
- CFM has superior adhesive bonding characteristics. The adhesive is applied at the last step in the manufacturing process without radiation to electron beams, thus retaining all original bonding properties.

MARKET SEGMENT

Electrical, Communications, Off-shore, Industrial
Oil and Gas, Utilities

DIMENSIONS

ORDER REFERENCE NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		LENGTHS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		WALL THICKNESS (NOM)		MM	IN	M	IN
	MM	IN	MM	IN	MM	IN				
0400	10.2	0.40	3.8	0.15	2.0	0.080	4.5 - 8.5	.18 - .34	1.2	6, 48
0750	19.1	0.75	5.6	0.22	2.0	0.080	6.0 - 16.5	.24 - .65	1.2	12, 48
1100	27.9	1.10	10.2	0.40	2.0	0.080	11.5 - 25.0	.45 - 1.0	1.2	12, 48
1300	33.0	1.30	10.2	0.40	2.0	0.080	11.5 - 30.0	.45 - 1.2	1.2	12, 48
1500	38.1	1.50	12.7	0.50	2.0	0.080	14.0 - 35.0	.55 - 1.4	1.2	12, 48
1700	43.2	1.70	12.7	0.50	2.0	0.080	14.0 - 40.0	.55 - 1.6	1.2	12, 48
2050	52.1	2.05	19.1	0.75	2.0	0.080	21.0 - 45.0	.82 - 1.8	1.2	12, 48
2750	69.9	2.75	25.4	1.00	2.0	0.080	30.0 - 63.0	1.2 - 2.5	1.2	12, 48
3500	88.9	3.50	30.0	1.18	2.4	0.095	33.0 - 83.8	1.3 - 3.3	1.2	24, 48
4700	119.4	4.70	39.9	1.57	2.7	0.105	40.6 - 114	1.6 - 4.5	1.2	24, 48
6700	170.2	6.70	58.4	2.30	2.8	0.110	70.0 - 165	2.4 - 6.5	1.2	24, 48
9000	228.6	9.00	77.0	3.00	3.0	0.118	71.0 - 220	2.8 - 8.7	1.2	24, 48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Please specify the product name plus the options you require.
- Standard Product: CFM, 1500, red, unprinted, lined, 48 in lengths

OPTIONS

- Colour: Black, Clear
- Printing: Printed
- Lining: Unlined

Please contact your Customer Service Representative for information on custom colours, sizes and lengths