



Guide Specification

SUBJECT: MULTI-MOUNT CABLE SUPPORT ARM (Drop-in Anchor Installation)

7.2. MANHOLE HARDWARE.

Cables shall be well supported on walls by MULTI-MOUNT NON-METALLIC cable support arms that are specifically designed and manufactured for this purpose. The cable support arms shall be bolted directly to the manhole wall in accordance with the manufacturer's recommendations. Unless otherwise specified:

- a. The length of the cable support arms shall be appropriate for the manhole size and the amount of cable being installed.
- b. At least two columns of cable support arms shall be installed on each manhole wall.
- c. At least two spare arms shall be installed in each column.

7.2.1. CABLE SUPPORT ARMS

shall be made from 50% glass-reinforced nylon or a NON-METALLIC material having equal mechanical strength, thermal resistance, chemical resistance, dielectric strength and physical properties. The top face of the cable support arm, on which the cable rests, shall be 3 inches wide and shall be smooth and free of ridges and projections that might score or abrade the cable insulation. Holes or slots shall be provided on the top face for insertion of cable tie-downs. The mounting face of the support arm shall be 5½" long and shall incorporate 2 bolt mounting holes. The cable support arms shall meet or exceed the load capacities shown in Table I and shall be marked with the manufacturer's

Catalog Number	MM7	MM10	MM14	MM18
Length (inches)	7	10	14	18
Rated Working Load (lbs.)*	350	300	250	200
Deflection at Rated Working Load (inches)**	.062	.092	.120	.225
Ultimate Load (lbs.)* (Short Term)	1000+	1000+	1000+	1000+

* Load concentrated 1" from outer end of arm.
** Deflection is measured at outer end of arm.
*** Arm conditioned at 50% relative humidity prior to test.

name, plant location and date manufactured. Cable support arms shall be Underground Devices, Inc. MM7, MM10, MM14 and MM18.

7.2.2. CABLE SUPPORT ARM MOUNTING HARDWARE.

Two each corrosion resistant anchors, washers and bolts, as described below, shall be used to install each cable support arm:

Drop-in anchors (UDI Catalog No. FSRM-38) shall have a 3/8-16 thread, a rated pullout working capacity of 1588 lbs. and shall be made from either 303 or 316 stainless steel. A 316 stainless steel 3/8-16 hex head cap screw (UDI Catalog No. FHC316-12-048) and A 316 stainless steel .406 ID x .875 OD x .045 THK. flat washer (UDI Catalog No. FFW316-13-28) shall be used with each anchor.