

Transmission & Distribution
Material & Installation Specification

Spacer Cable to Open Wire Double Deadend on Crossarm

I. Quantity

The base bid shall include the indicated number of spacer cable to open wire double deadend on crossarm furnished and installed as hereinafter specified.

II. Material

- A. Crossarm - Wood, 3 ½" x 4 ½" x 10'-0". Refer to TDMIS-10 or 11.
- B. Ground Wire - The ground wire shall be #6 solid soft drawn bare copper.
- C. Connectors - Copper compression type.
- D. Preshaped type grip for messenger - For ½" messenger. Preformed Line Products #AWDE-4128
- E. Preshaped type grip for spacer cable - For 336 MCM spacer cable. Preformed Line Products #ND-0120.
- F. Preshaped type grip for spacer cable - For 556 MCM spacer cable. Preformed Line Products #ND-0123.
- G. 15kV Polymer Deadend Insulator - 5/8" diameter rod deadend insulator. 16" leakage distance. Ohio Brass #401015-0215.
- H. All steel hardware to be hot dipped galvanized.

III. Installation

- A. The installation shall be as shown on drawing TDMIS-306.

IV. Method of measurement

Shall be per each completed assembly including bracket, bolts, washers, ground connections, final sag adjustment, final guy adjustment, tools, labor, equipment and all miscellaneous required for a complete and operational module.

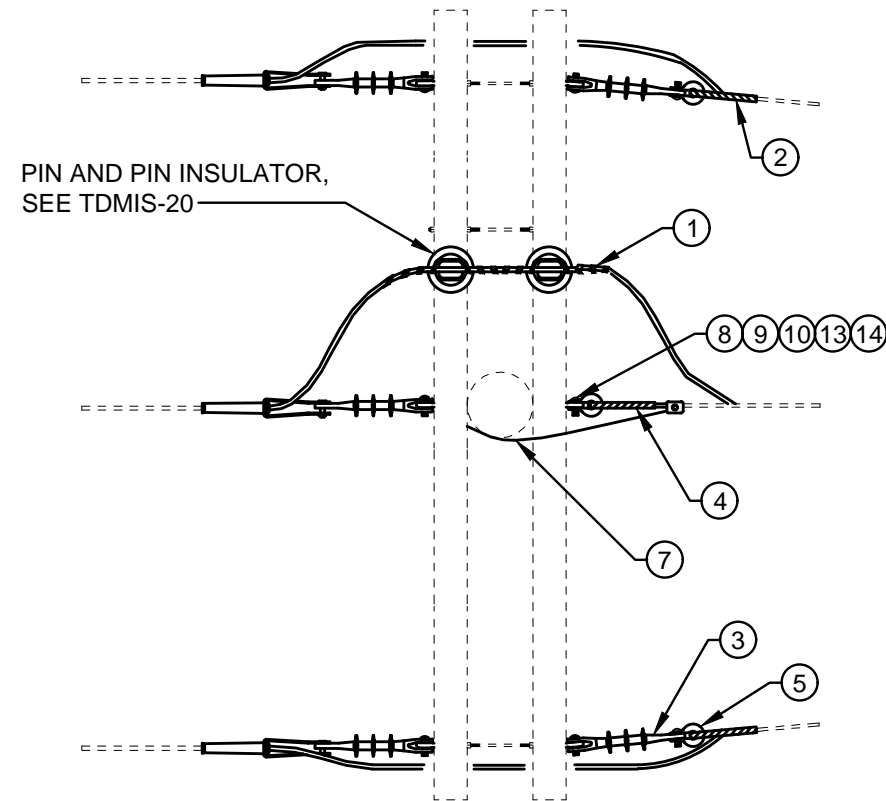
V. Basis of payment

Items	Unit	Description
TDMIS-306	Each	Spacer cable to open wire double deadend on crossarm

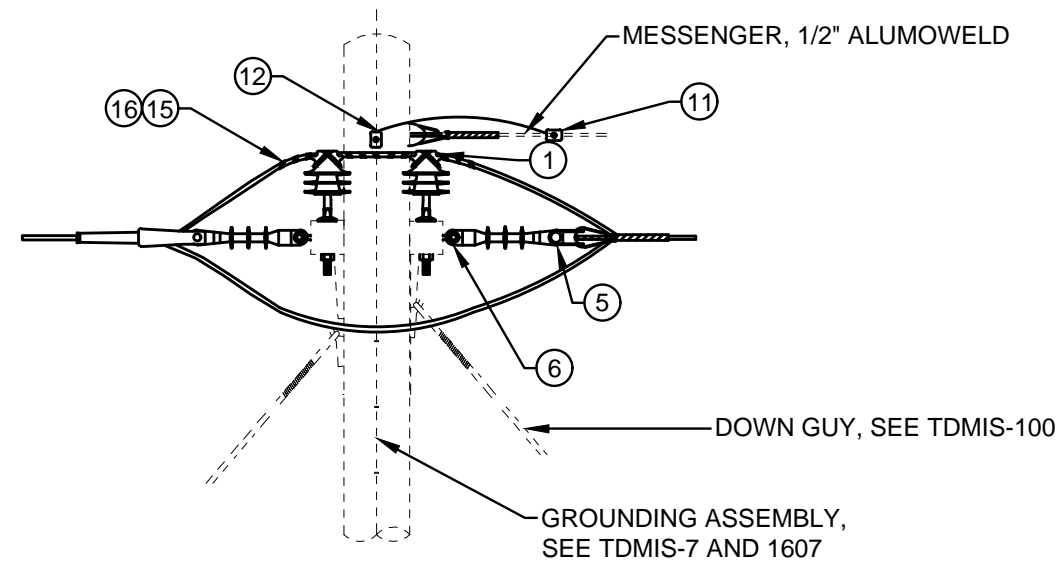
CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER SPACER CABLE TO OPEN WIRE DOUBLE DEADEND ON CROSSARM		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-306
APPROVED: R. SPRITE		
SHEET 1 of 2		

GENERAL NOTES:

1. FIRST SPACER 30'-0" FROM POLE.



DETAIL 1
SPACER CABLE TO OPEN WIRE DOUBLE DEADEND - PLAN VIEW



DETAIL 2
SPACER CABLE TO OPEN WIRE DOUBLE DEADEND - SIDE VIEW

SCHEDULE			
ITEM #	SUFFIX NO.	DESCRIPTION	PART#
2	1	336MCM GRIP	20233
2	2	556MCM GRIP	20234

ITEM LIST			
ITEM #	DESCRIPTION	PART #	QTY.
①	COVERED WIRE TIE, #4 SOLID S.D. ALUMINUM WITH .30" POLYETHYLENE	20327	6
②	PRESHAPED TYPE GRIP (SPACER CABLE)	SEE SCH	3
③	INSULATOR, DEAD END TYPE. 15KV POLYMER	20243	6
④	PRESHAPED TYPE GRIP (1/2" ALUMOWELD MESSENGER)	19226	1
⑤	THIMBLE CLEVIS (SPACER CABLE)	20228	3
⑥	EYE NUT, STANDARD 5/8" (SPACER CABLE)	28977	3
⑦	GROUND WIRE, S.D. COPPER, SOLID, #6 MINIMUM	20082	20
⑧	THIMBLE CLEVIS (MESSENGER)	20229	1
⑨	EYE NUT, 3/4" (MESSENGER)	18978	1
⑩	MACHINE BOLT, 3/4" X REQUIRED LENGTH	42374	1
⑪	CONNECTOR, COMPRESSION, SIZE #6-#2/0	19629	3
⑫	CONNECTOR, COMPRESSION, #6-#6	19628	3
⑬	SPRING LOCK, 13/16"	18894	1
⑭	WASHER, SQUARE CURVED, 4"X4"X1/4", 15/16" HOLE	18900	1
⑮	INSULATOR, PIN TYPE, HENDRIX TYPE HPI-55-4	20256	2
⑯	PIN, INSULATOR, HENDRIX TYPE SSP-2	19307	2

REFERENCE LIST

TDMIS	DESCRIPTION
1	WOOD POLES
7	OVERHEAD DISTRIBUTION CIRCUIT GROUNDING
10	WOOD CROSSARM - WOOD BRACES
11	WOOD CROSSARM - STEEL BRACES
20	PIN AND PIN INSULATOR
100	SINGLE DOWN GUY & ANCHOR WITH INSULATOR
1500	OVERHEAD CONDUCTOR, SPACER CABLE
1607	GROUND ROD TEST

CITY OF COLUMBUS, OHIO
DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER

**SPACER CABLE TO OPEN WIRE
DOUBLE DEADEND ON CROSSARM
MSCXDDE**

DRAWN BY: AEC DATE: 01/01/2018
APPROVED: R. SPRITE
SCALE: NTS SHEET: 2 OF 2

TDMIS-306