

Transmission & Distribution
Material & Installation Specification

Spacer Cable to Spacer Cable 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-305.

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.

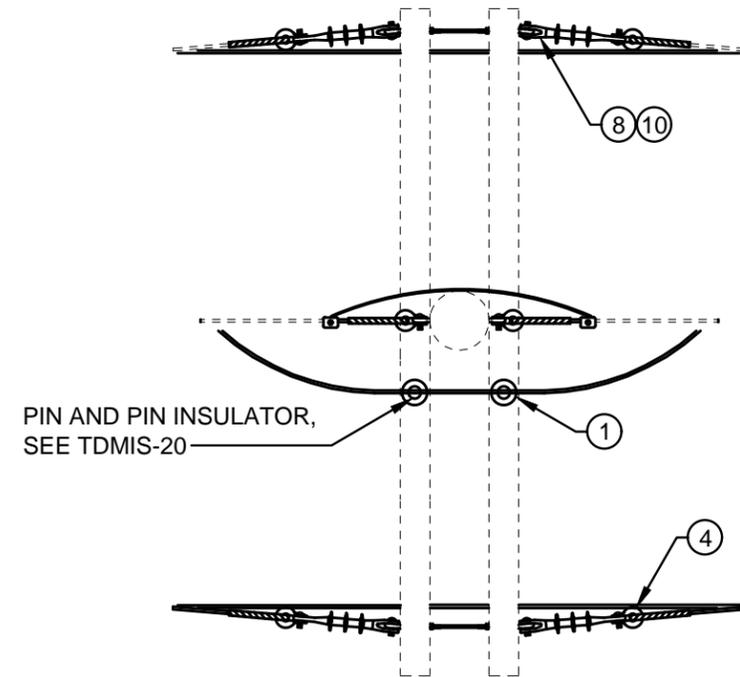
V. Basis of payment

Items	Unit	Description
TDMIS-305	Each	Spacer cable to spacer cable double deadend on crossarm

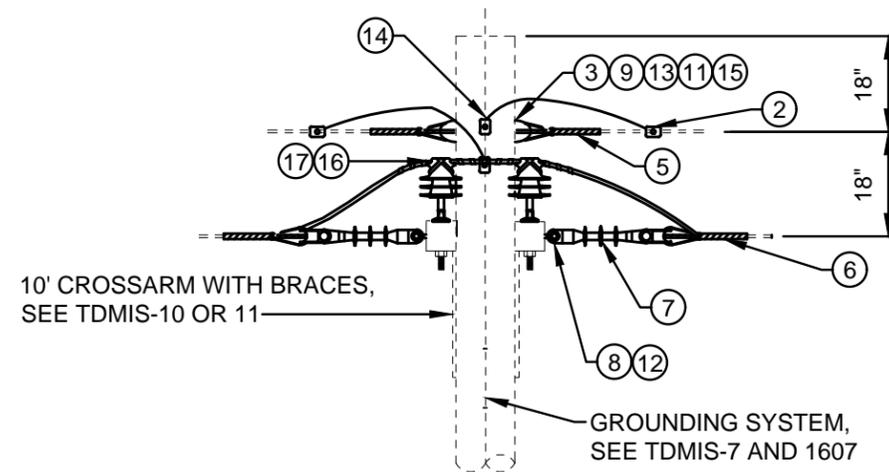
CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER		
SPACER CABLE TO SPACER CABLE DOUBLE DEADEND ON CROSSARM		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-305
APPROVED: R. SPRITE		
SHEET 1 of 2		

GENERAL NOTES:

- FIRST SPACER 30'-0" FROM POLE.



DETAIL 1
SPACER CABLE TO SPACER CABLE DOUBLE ENDED - PLAN VIEW



DETAIL 2
SPACER CABLE TO SPACER CABLE DOUBLE ENDED - SIDE VIEW

SCHEDULE			
ITEM #	SUFFIX NO.	DESCRIPTION	PART#
6	1	336MCM PREFORMED GRIP	20233
6	2	556MCM PREFORMED GRIP	20234

ITEM LIST			
ITEM #	DESCRIPTION	PART #	QTY.
①	COVERED WIRE TIE, #4 SOLID SOFT DRAWN, ALUMINUM	20327	2
②	CONNECTOR, COMPRESSION, SIZE #6-#2/0	19629	3
③	DOUBLE ARMING BOLT, 3/4" X LENGTH AS REQ.	19103	1
④	THIMBLE CLEVIS (SPACER CABLE)	20228	6
⑤	PRESHAPED TYPE GRIP (MESSENGER)	19226	2
⑥	PRESHAPED TYPE GRIP (SPACER CABLE)	SEE SCH	6
⑦	INSULATOR, DEAD END TYPE, 15KV	20243	6
⑧	EYE NUT, STANDARD 5/8" (SPACER CABLE)	18977	6
⑨	SPRING LOCK WASHER, 13/16"	18894	2
⑩	SPRING LOCK WASHER, 11/16"	18893	5
⑪	WASHER, SQUARE CURVED, 4"X4"X1/4", 15/16" HOLE	18900	2
⑫	WASHER, FLAT, 2 1/4"X2 1/4"X3/16", 11/16" HOLE	18901	10
⑬	THIMBLE CLEVIS (MESSENGER)	20229	2
⑭	CONNECTOR, COMPRESSION, #6-#6	19628	3
⑮	EYE NUT, 3/4" (MESSENGER)	18978	2
⑯	INSULATOR, PIN TYPE, HENDRIX TYPE HPI-55-4	20256	2
⑰	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
1500	OVERHEAD CONDUCTOR, SPACER CABLE
1607	GROUND ROD TEST

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SPACER CABLE TO SPACER CABLE DOUBLE DEADEND ON CROSSARM MSCXDDE	
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APPROVED: R. SPRITE	TDMIS-305
SCALE: NTS	