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BURIED CABLE — GENERAL
PROTECTIVE COVERINGS, SIZES AND REEL LENGTHS

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1. GENERAL

1.01 This section replaces G56.005 and describes the protective coverings furnished on buried cable, and tables showing diameters, weights and convenient reel lengths of the standard make-ups of coded exchange type buried cables.

1.02 Information concerning quadded, composite or other special types of cable will, in general, be shown on the detail plans and records may be obtained from the Plant Engineer.

2. PROTECTIVE COVERINGS

2.01 **Tape Armored Cable:** The protection over the sheath consists of a covering of paper, a bedding of jute, layers of steel tapes and an outer covering of jute. Data on these cables are contained in Part 3.

2.02 **Jute Protected Cable:** The protection over the sheath consists of two layers of paper and one or two coverings of jute depending on the size of the cable. Data on these cables are contained in Part 4.

2.03 **Service Cables** consist of one, two or six pair rubber insulated lead sheathed cables to which coverings of the tape armored or jute protected type are applied. Data on these cables are contained in Part 5.

3. TAPE ARMORED CABLE

TAPE ARMORED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
26 GAUGE BST	11	.3	.7	.6	3500
	16	.4	.7	.7	3500
	26	.4	.8	.8	3500
	51	.5	.9	1.2	3500
	76	.6	1.0	1.4	3500
	101	.7	1.1	1.5	3500
	152	.8	1.3	2.2	2850
	202	.9	1.4	2.5	2450
	303	1.1	1.6	3.2	1850
	404	1.2	1.8	3.9	1500
	606	1.4	2.1	5.2	950
	909	1.7	2.4	6.7	750
	1212	2.0	2.7	8.0	550
	1515	2.2	2.9	9.4	500
	1818	2.4	3.1	10.8	440
	2121	2.6	3.2	11.0	400

TAPE ARMORED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
24 GAUGE DSM	11	.4	.7	.7	3500
	16	.4	.8	.8	3500
	26	.5	.9	1.1	3500
	51	.6	1.0	1.3	3500
	76	.7	1.1	1.9	3500
	101	.8	1.2	2.1	3300
	152	.9	1.5	2.7	2150
	202	1.1	1.6	3.2	1850
	303	1.2	1.8	4.1	1500
	404	1.4	2.1	5.1	950
	606	1.7	2.4	6.8	750
	909	2.0	2.7	8.7	550
	1212	2.4	3.1	10.6	400
	1515	2.6	3.2	10.8	400
24 GAUGE ESML	11	.4	.7	.7	3500
	16	.4	.7	.8	3500
	26	.5	.9	1.1	3500
	51	.6	1.0	1.3	3500
	76	.7	1.1	1.9	3500
	101	.8	1.2	2.1	3300
	152	1.0	1.4	2.5	2150
	202	1.1	1.6	3.2	1850
	303	1.3	1.8	4.1	1500
	404	1.5	2.0	5.0	950
	606	1.8	2.3	6.3	800
	909	2.2	2.7	8.7	550
	1212	2.6	3.2	10.8	400

TAPE ARMORED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
22 GAUGE DSA and ESAL	11	.4	.7	.8	3500
	16	.5	.8	.9	3500
	26	.6	.9	1.2	3500
	51	.7	1.1	1.6	3500
	76	.9	1.2	2.2	3300
	101	1.0	1.4	2.6	2450
	152	1.2	1.6	3.3	1850
	202	1.3	1.8	4.0	1500
	303	1.6	2.1	5.4	950
	404	1.8	2.3	6.3	800
	455	1.9	2.4	7.1	750
	606	2.2	2.7	8.4	550
	909	2.6	3.2	11.6	400

TAPE ARMORED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
19 GAUGE ENB and FNBL	6	.4	.7	.8	3500
	11	.5	.8	1.1	3500
	16	.6	.9	1.3	3500
	26	.7	1.1	1.6	3500
	51	1.0	1.3	2.5	2850
	76	1.2	1.6	3.3	1850
	101	1.3	1.8	4.0	1500
	152	1.6	2.1	5.2	950
	202	1.8	2.3	6.3	800
	303	2.2	2.7	8.4	550
	404	2.5	3.1	10.7	450
	455	2.6	3.2	11.5	400
19 GAUGE DNB and GNBL	6	.5	.8	.8	3500
	11	.6	.9	1.2	3500
	16	.7	1.0	1.5	3500
	26	.8	1.2	2.1	3300
	51	1.1	1.6	3.0	1850
	76	1.3	1.8	3.8	1500
	101	1.5	2.0	4.7	1200
	152	1.8	2.4	6.3	750
	202	2.1	2.6	7.5	600
	303	2.5	3.1	10.0	450

4. JUTE PROTECTED CABLE

JUTE PROTECTED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
26 GAUGE BST	11	.3	.6	.4	3500
	16	.4	.6	.5	3500
	26	.4	.7	.6	3500
	51	.5	.8	.8	3500
	76	.6	.9	.9	3500
	101	.7	1.0	1.1	3500
	152	.8	1.1	1.4	3500
	202	.9	1.2	1.7	3000
	303	1.1	1.4	2.2	2000
	404	1.2	1.5	2.7	2000
	606	1.4	1.7	3.8	1500
	909	1.7	2.0	5.1	950
	1212	2.0	2.3	6.1	800
	1515	2.2	2.5	7.3	650
	1818	2.4	2.7	8.5	550
	2121	2.6	2.9	9.3	550

JUTE PROTECTED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
24 GAUGE DSM	11	.4	.6	.5	3500
	16	.4	.7	.6	3500
	26	.5	.7	.7	3500
	51	.6	.9	.9	3500
	76	.7	1.0	1.2	3500
	101	.8	1.1	1.4	3500
	152	.9	1.2	1.9	3000
	202	1.1	1.4	2.2	2500
	303	1.2	1.5	2.9	1800
	404	1.4	1.7	3.7	1500
	606	1.7	2.0	5.2	950
	909	2.0	2.3	7.1	650
	1212	2.4	2.7	8.7	550
	1515	2.6	2.9	9.3	550
24 GAUGE ESML	11	.4	.6	.5	3500
	16	.4	.7	.6	3500
	26	.5	.7	.7	3500
	51	.6	.9	.9	3500
	76	.7	1.0	1.2	3500
	101	.8	1.1	1.4	3500
	152	1.0	1.2	1.9	3000
	202	1.1	1.4	2.2	2500
	303	1.3	1.6	2.9	1800
	404	1.5	1.8	4.1	1500
	606	1.8	2.1	5.7	950
	909	2.2	2.5	7.9	750
	1212	2.6	2.9	9.3	550

JUTE PROTECTED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
22 GAUGE DSA and ESAL	11	.4	.6	.5	3500
	16	.5	.7	.6	3500
	26	.6	.8	.8	3500
	51	.7	1.0	1.1	3500
	76	.9	1.1	1.5	3500
	101	1.0	1.2	1.8	3000
	152	1.2	1.5	2.3	2400
	202	1.3	1.6	2.9	2000
	303	1.6	1.9	4.0	1500
	404	1.8	2.1	4.7	1000
	455	1.9	2.2	5.4	950
	606	2.2	2.5	6.6	750
	909	2.6	2.9	9.3	550

JUTE PROTECTED CABLE

Gauge	Actual Number of Pairs	Approximate Diameter (inches)		Weight Per Foot (Pounds)	Convenient Reel Length (Feet)
		Over Lead Sheath	Over Protective Coverings		
19 GAUGE ENB and FNBL	6	.4	.6	.6	3500
	11	.5	.7	.7	3500
	16	.6	.8	.9	3500
	26	.7	.9	1.1	3500
	51	1.0	1.2	1.7	3000
	76	1.2	1.4	2.3	2500
	101	1.3	1.6	2.9	2000
	152	1.6	1.9	3.8	1500
	202	1.8	2.1	4.8	1000
	303	2.2	2.5	6.6	750
	404	2.5	2.8	8.5	600
	455	2.6	2.9	9.2	550
19 GAUGE DNB and GNBL	6	.5	.7	.6	3500
	11	.6	.8	.8	3500
	16	.7	.9	1.0	3500
	26	.8	1.1	1.3	3500
	51	1.1	1.4	2.1	2500
	76	1.3	1.6	2.7	2000
	101	1.5	1.8	3.4	1600
	152	1.8	2.1	4.7	1000
	202	2.1	2.4	5.7	800
	303	2.5	2.8	7.8	600

5. SERVICE CABLE

BURIED SERVICE CABLE

Type of Cable	Number of Pairs	Diameter Over Lead Sheath (inches)	Diameter Over Protective Covering (inches)	Weight per 1000 feet (pounds)
Tape Armored (type TR)	1	.3	.6	500
	2	.4	.6	600
	6	.5	.8	900
Jute Protected (type JR)	1	.3	.5	200
	2	.4	.5	300
	6	.5	.7	500

Nominal reel lengths on above cables 1000 and 2000 feet. Longer or exact lengths can be obtained on order.