

CONSTRUCTION GUIDELINE

TRANSFORMER SECONDARY LEAD SIZES FOR UNDERGROUND INSTALLATIONS

All cables are sized for 150% transformer load. For Network, see NTP-80.

1 Ø - 120/240 V TRANSFORMERS

Rating Bank kVA	Amps	Aluminum Cable				Copper Cable				Reference Standards
		Phase		Neutral		Phase		Neutral		
		No. & Size	Stock No.	No. & Size	Stock No.	No. & Size	Stock No.	No. & Size	Stock No.	
025	104	1 - 4/0	601011	1 - 4/0	601011	1 - 4/0	613735	1 - 4/0	613735	U9-7.3, U9-5
050	208	1 - 4/0	601011	1 - 4/0	601011	1 - 4/0	613735	1 - 4/0	613735	
075	312	1-500	601015	1-500	601015	1-500	613740	1-500	613740	
100	417	1-500	601015	1-500	601015	1-500	613740	1-500	613740	
167	696	2-500	601015	1-500	601015	1-750 or 2-500	613743 613740	1-500	613740	

3 Ø - 208Y/120 V TRANSFORMERS

Rating Bank kVA	Amps	Aluminum Cable				Copper Cable				Reference Standards
		Phase		Neutral		Phase		Neutral		
		No. & Size	Stock No.	No. & Size	Stock No.	No. & Size	Stock No.	No. & Size	Stock No.	
0075	0208	1 - 4/0	601011	1 - 4/0	601011	1 - 4/0	613735	1 - 4/0	613735	U10-1.7, U9-7.7
0150	0417	1-500	601015	1-350	601014	1-500	613740	1-500	613738	
0225	0625	1-750	601016	1-500	601015	2-350	613740	2-350	613740	
0300	0833	2-500	601015	2-350	601014	2-500	613740	1-500	613740	
0500	1388	3-500	601015	2-500	601015	2-750 or 3-500	613743 613740	2-500	613738	
0750	2082	4-500	601015	3-500	601015	3-750	613743	2-750	613743	U11-8
1000	2776	5-750	601016	3-750	601016	4-750	613743	3-500	613740	

3 Ø - 480Y/277 V TRANSFORMERS

Rating Bank kVA	Amps	Aluminum Cable				Copper Cable				Reference Standards
		Phase		Neutral		Phase		Neutral		
		No. & Size	Stock No.	No. & Size	Stock No.	No. & Size	Stock No.	No. & Size	Stock No.	
0150	0180	1 - 4/0	601011	1 - 4/0	601011	1 - 4/0	613735	1 - 4/0	613735	U10-1.7, U9-7.7
0225	0271	1-500	601015	1-500	601015	1 - 4/0	613738	1-350	613738	
0300	0361	1-500	601015	1-500	601015	1-500	613740	1-500	613740	
0500	0601	1-750	601016	1-500	601015	2-350	613740	2-350	613740	
0750	0902	2-500	601015	1-750	601016	2-500	613740	1-500	613740	
1000	1203	2-750	601016	2-350	601014	2-750	613743	1-750	613743	U11-8
1500	1804	3-750	601016	2-750	601016	3-500	613740	2-500	613740	
2000	2406	4-750	601016	3-750	601016	3-750	613743	2-750	613743	
2500	3007	5-750	601016	4-750	601016	4-750	613743	3-750	613743	

STANDARDS COORDINATOR

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