

Corrections to IEEE Guide for Installation Methods for Generating Station Cables

Sponsor

**Insulated Conductors Committee
of the
IEEE Power Engineering Society**

Correction Sheet

Issued 1 August 2000

The following corrections should be made:

Page 4: In 4.2, list item d), the conduit-cable fill for two cables should be 31%, not 3%. As corrected, list item d) in 4.2 should read as follows:

- d) Conduit-cable fill does not exceed the NEC fill limits of 53% for one cable, 31% for two cables, or 40% for three or more cables.

Page 13: In Table 9a, the column heading for the sixth column (counting from left to right) should read 315°, not 31°. As corrected, Table 9a should read as follows:

**Table 9a—Power cable—Conduit-cable pulling chart
SWBP = 500 lbf/ft and K' = 0.35**

Conduit size (in)	Maximum effective conduit length (ft)						Maxium allowable pulling tension (lbf)
	Total degrees of conduit bend						
	45°	90°	180°	270°	315°	360°	
0.75	986	749	432	249	190	144	170
1.0	656	499	288	166	126	96	218
1.5	269	205	118	68	52	39	310
2.0	266	202	117	67	51	39	353
2.5	223	170	98	57	43	33	386
3.0	154	117	68	39	30	23	478
3.5	138	105	61	35	27	20	551
4.0	108	82	47	27	21	16	583
5.0	105	80	46	27	20	15	895
6.0	89	67	39	22	17	13	1124

NOTE—Minimum one single conductor 12 AWG or one multiple conductor 12 AWG conductor size.

Page 14: In Table 10a, the value of the maximum effective conduit length for a 5.0 in conduit with 360° of conduit bend should read 30, rather than 3. As corrected, Table 10a should read as follows:

**Table 10a—Power cable—Conduit-cable pulling chart
SWBP = 1000 lbf/ft and K' = 0.35**

Conduit size (in)	Maximum effective conduit length (ft)						Maxium allowable pulling tension (lbf)
	Total degrees of conduit bend						
	45°	90°	180°	270°	315°	360°	
0.75	1972	1498	864	499	379	288	341
1.0	1313	997	576	332	252	192	436
1.5	539	409	236	136	104	79	620
2.0	532	404	233	135	102	78	706
2.5	447	340	196	113	86	65	772
3.0	309	234	135	78	59	45	956
3.5	277	210	121	70	53	40	1102
4.0	215	163	94	54	41	31	1166
5.0	210	160	92	53	40	30	1790
6.0	177	135	78	45	34	26	2247

NOTE—Minimum one single conductor 12 AWG or one multiple conductor 12 AWG conductor size.