



**COLONIAL WIRE & CABLE CO.**  
**OF NEW JERSEY, INC.**  
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## WIRE SPECIFICATIONS

	BARE COPPER	THWN-2				XHHW-2		USE-2	
AWG or KCMIL	MEASURED CIRCULAR MILLIMETERS IN INCHES	PVC INSULATION	OVERALL PVC INSULATION	NYLON INSULATION	FINAL DIAMETER	NOMINAL XLPE	FINAL DIAMETER	NOMINAL XLPE	FINAL DIAMETER
18/16	.045	.015 + .015	.075	.004 + .004	.083	-	-	-	-
16/19	.055	.015 + .015	.085	.004 + .004	.093	-	-	-	-
14/1	.0655	.015 + .015	.0955	.004 + .004	.1035	.030 + .030	.1255	.045 + .045	.1555
12/1	.0816	.015 + .015	.1116	.004 + .004	.1196	.030 + .030	.1416	.045 + .045	.1716
10/1	.1024	.020 + .020	.1424	.004 + .004	.1504	.030 + .030	.1624	.045 + .045	.1924
14/19	.074	.015 + .015	.104	.004 + .004	.112	.030 + .030	.134	.045 + .045	.164
12/19	.092	.015 + .015	.122	.004 + .004	.130	.030 + .030	.152	.045 + .045	.182
10/19	.117	.020 + .020	.157	.004 + .004	.165	.030 + .030	.177	.045 + .045	.207
8/19	.141	.030 + .030	.201	.005 + .005	.211	.045 + .045	.231	.060 + .060	.261
6/19	.181	.030 + .030	.241	.005 + .005	.251	.045 + .045	.271	.060 + .060	.301
4/19	.228	.040 + .040	.308	.006 + .006	.320	.045 + .045	.318	.060 + .060	.348
3/19	.256	.040 + .040	.336	.006 + .006	.348	.045 + .045	.346	.060 + .060	.376
2/19	.286	.040 + .040	.366	.006 + .006	.378	.045 + .045	.376	.060 + .060	.406
1/19	.320	.050 + .050	.420	.007 + .007	.434	.055 + .055	.430	.080 + .080	.480
1/0	.355	.050 + .050	.455	.007 + .007	.469	.055 + .055	.465	.080 + .080	.515
2/0	.405	.050 + .050	.505	.007 + .007	.519	.055 + .055	.515	.080 + .080	.565
3/0	.445	.050 + .050	.545	.007 + .007	.559	.055 + .055	.555	.080 + .080	.605
4/0	.512	.050 + .050	.612	.007 + .007	.626	.055 + .055	.622	.080 + .080	.672
250	.565	.060 + .060	.685	.008 + .008	.701	.065 + .065	.695	.095 + .095	.755
300	.625	.060 + .060	.745	.008 + .008	.761	.065 + .065	.755	.095 + .095	.815
350	.675	.060 + .060	.795	.008 + .008	.811	.065 + .065	.805	.095 + .095	.865
400	.721	.060 + .060	.841	.008 + .008	.857	.065 + .065	.851	.095 + .095	.911
500	.805	.060 + .060	.925	.008 + .008	.941	.065 + .065	.935	.095 + .095	.995
600	.890	.070 + .070	1.030	.009 + .009	1.048	.080 + .080	1.050	.110 + .110	1.110
750	.995	.070 + .070	1.135	.009 + .009	1.153	.080 + .080	1.155	.110 + .110	1.215
1000	1.155	.070 + .070	1.295	.009 + .009	1.313	.080 + .080	1.315	.110 + .110	1.375