



THHN THWN-2 Copper Building Wire

Application:

- Copper THHN/THWN-2 conductors are primarily used in conduit and cable trays, when approved, for services, feeders and branch circuits in commercial or industrial applications as specified in the National Electric Code. THHN applications are suitable for use in dry locations only at temperatures not to exceed 90°C. THWN-2 applications are suitable for use in either wet or dry applications, with temperatures that do not exceed 90°C.

Conductors:

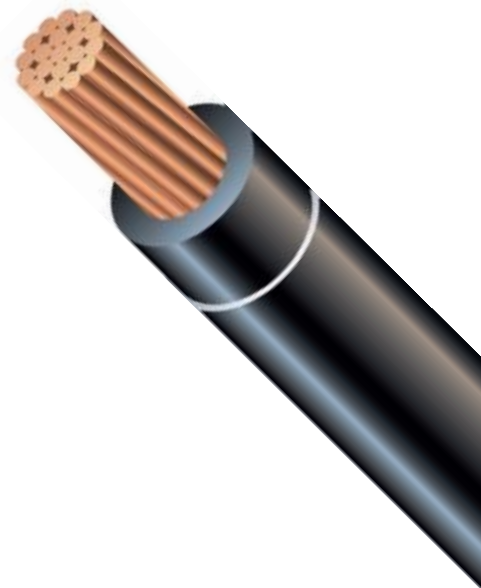
- Copper THHN/THWN-2 conductors are either solid or stranded soft drawn copper, per ASTM.

Insulation:

- Copper THHN/THWN-2 conductors have heat and moisture resistant colored polyvinyl chloride PVC insulation, with a clear nylon (polyamide) or UL-listed equal jacket, which provides abrasion resistance.

Standards:

- UL 83, UL62
- UL VW-1
- Size 1/0 & larger suitable for cable tray use
- MTW per UL 1063
- ASTM B-1, B-3, B-8
- Federal Spec J - C - 30B



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NES
NASSAU ELECTRICAL SUPPLY

Specification:

Part Number	Conductor Size	No. of Strands	Insulation Thickness		Insulation Thickness		Overall Diameter		Net Weight	Ampacity*
	AWG/kcmil		inches	mm	inches	mm	inches	mm	lbs/kft	amps
NES21504X	14	Solid	0.015	0.38	0.004	0.10	0.110	2.79	16	25
NES2183X-1	14	19	0.015	0.38	0.004	0.10	0.120	3.05	16	25
NES21513X-110	12	Solid	0.015	0.38	0.004	0.10	0.130	3.30	24	30
NES2192X-88	12	19	0.015	0.38	0.004	0.10	0.140	3.56	25	30
NES21522X-1	10	Solid	0.020	0.51	0.004	0.10	0.160	4.06	38	40
NES2201X-40	10	19	0.020	0.51	0.004	0.10	0.170	4.32	39	40
NES2202X	8	19	0.030	0.76	0.004	0.10	0.230	5.84	66	55
NES2211X	6	19	0.030	0.76	0.005	0.13	0.250	6.35	98	75
NES2220X	4	19	0.040	1.02	0.006	0.15	0.330	8.38	155	95
NES2229X	3	19	0.040	1.02	0.006	0.15	0.360	9.14	190	115
NES2238X	2	19	0.040	1.02	0.006	0.15	0.390	9.91	235	130
NES2249X1	1	19	0.050	1.27	0.007	0.18	0.450	11.43	300	145
NES2256X	1/0	19	0.050	1.27	0.007	0.18	0.500	12.70	370	170
NES2265X	2/0	19	0.050	1.27	0.007	0.18	0.540	13.72	460	195
NES2274X	3/0	19	0.050	1.27	0.007	0.18	0.600	15.24	570	225
NES2283X	4/0	19	0.050	1.27	0.007	0.18	0.660	16.76	710	260
NES2292X	250	37	0.060	1.52	0.008	0.20	0.720	18.29	845	290
NES2301X	300	37	0.060	1.52	0.008	0.20	0.766	19.46	985	320
NES2310X	350	37	0.060	1.52	0.008	0.20	0.830	21.08	1,165	350
NES2319X	400	37	0.060	1.52	0.008	0.20	0.864	21.95	1,296	380
NES2328X	500	37	0.060	1.52	0.008	0.20	0.960	24.38	1,640	430
NES2337X	600	61	0.070	1.78	0.009	0.23	1.051	26.70	1,934	475
NES2337X	750	61	0.070	1.78	0.009	0.23	1.170	29.72	2,480	520
NES13471X	1000	61	0.070	1.78	0.009	0.23	1.320	33.53	3,300	615

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