



Copper THHN/THWN-2

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 temperature that do not exceed 90°C.

Conductors

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

Conductors

- 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

- UL83, 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

AWG	No. of strands	Insulation Thickness mm	Nylon Thickness mm	overall Diameter mm	weight kg/km	articlenumber
14	solid	0,381	0,1016	2,794	7,25748	-
14	19	0,381	0,1016	3,048	7,25748	7730140010
12	solid	0,381	0,1016	3,302	10,8862	-
12	19	0,381	0,1016	3,556	11,3398	7730120010
10	solid	0,508	0,1016	4,064	17,2365	-
10	19	0,508	0,1016	4,318	17,6901	7730100010
8	19	0,762	0,1016	5,842	29,9371	7730080010
6	19	0,762	0,127	6,35	44,4521	7730060010
4	19	1,016	0,1524	8,382	70,3068	7730040010

AWG	No. of strands	Insulation Thickness mm	Nylon Thickness mm	overall Diameter mm	weght kg/km	articlenumber
3	19	1,016	0,1524	9,144	86,1826	7730030010
2	19	1,016	0,1524	9,906	106,594	7730020010
1	19	1,27	0,1778	11,43	136,078	7730010010
1/0	19	1,27	0,1778	12,7	167,829	773001/010
2/0	19	1,27	0,1778	13,716	208,652	773002/010
3/0	19	1,27	0,1778	15,24	258,548	773003/010
4/0	19	1,27	0,1778	16,764	322,051	773004/010
250	37	1,524	0,2032	18,288	383,286	7730025010

- Further formats available on request
- All data and products subject to change