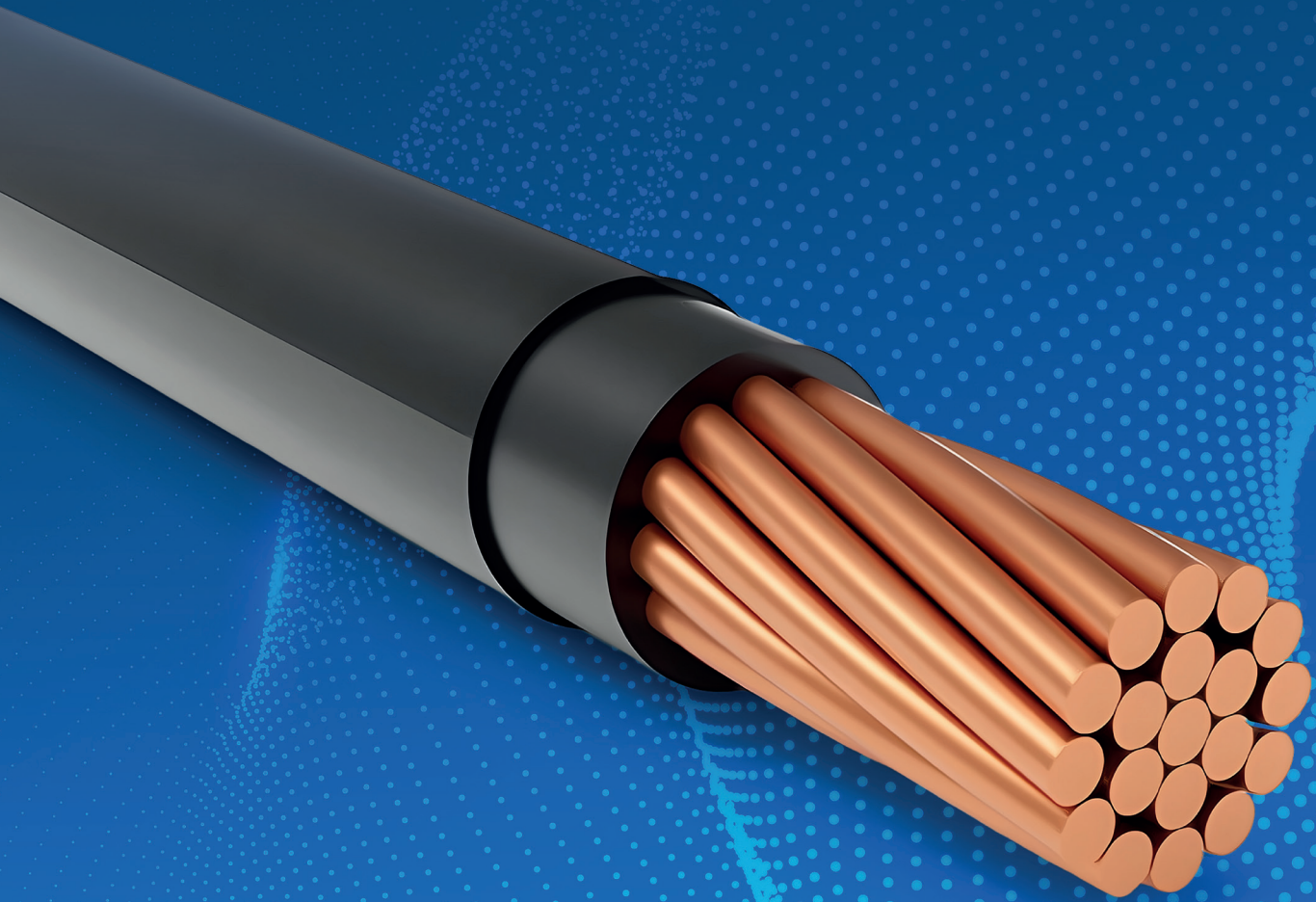




GLOBAL
BRASIL
IMPORTAÇÕES
E EXPORTAÇÕES



THHN THWN-2 CABLES

THHN/THWN-2 Cables

Design and Material Specifications

- **Conductor:** Stranded copper
- **Insulation:** Polyvinyl chloride (PVC). Resistant to: sunlight, gasoline, oil, abrasion, corrosive environments, chemical agents, and flame retardant. Suitable for temperatures up to 90°C in dry and wet locations.
- **Sheath:** High-abrasion and high-temperature resistant polyamide (nylon).

Construction features and dimensions

CODE	GAUGE (AWG/KCMIL)	CONSTRUCTION (NUMBER OF THREADS)	INSULATION THICKNESS (MM)	THICKNESS NYLON JACKET (MM)	DIÁMETRO EXTERIOR (MM)	OUTSIDE DIAMETER (MM)	CURRENT CAPACITY (A) 90°C	MAXIMUM TENSION OF PULLED (KGF)	ENDURANCE DC DRIVER AT 20°C (Ω/KM)
5403	14	7	0.38	0.11	2.9	25	25	15	8.46
5404	12	7	0.38	0.11	3.4	37	30	20	5.31
5405	10	7	0.51	0.11	4.3	59	40	30	3.34
5406	8	7	0.76	0.14	5.5	96	55	40	2.10
5407	6	7	0.76	0.14	6.5	146	75	55	1.32
5408	4	7	1.02	0.15	8.2	234	95	70	0.832
5409	2	7	1.02	0.15	9.7	358	130	95	0.523
5410	1	19	1.27	0.18	11.2	454	150	130	0.415
5411	1/0	19	1.27	0.18	12.2	563	170	150	0.329
5412	2/0	19	1.27	0.18	13.3	699	195	175	0.261
5413	3/0	19	1.27	0.18	14.6	870	225	200	0.207
5414	4/0	19	1.27	0.18	16.0	1083	260	230	0.164
5415	250	37	1.52	0.20	17.8	1286	290	455	0.139
5416	300	37	1.52	0.20	19.1	1529	320	500	0.116
5417	350	37	1.52	0.20	20.4	1772	350	570	0.0992
5418	400	37	1.52	0.20	21.5	2013	380	615	0.0868
5419	500	37	1.52	0.20	23.7	2495	430	700	0.0694
5420	600	61	1.78	0.23	26.2	3001	475	780	0.0578
5421	750	61	1.78	0.23	28.8	3720	535	850	0.0463
5422	1000	61	1.78	0.23	32.6	4914	615	1055	0.0347
5423	3x12	7	0.38	0.10	7.38	112	30	20	5.31

Permissible current capacity of insulated conductors based on an ambient temperature of 30°C.

Permissible current in insulated conductors, no more than three current-carrying conductors in cable trays according to NTC 2050, section 110-14c. Color-coded: 01: black, 02: white, 03: red, 04: blue, 05: green, 06: yellow.

All values indicated are nominal and subject to normal manufacturing tolerances and standards.

Installation

Suitable for residential, commercial, and industrial indoor/outdoor power, control, and lighting electrical installations. Installation in cable trays (≥ 12 AWG), conduits, and raceways, in both dry and wet locations.

Packaging

14, 12, and 10 AWG: rolls.

8 AWG: rolls or reels.

Larger gauges: reels.

Installation, Operation, and Performance Characteristics

Rated Voltage: 600V

Operating Temperature: 90°C

Compliance:

ISO 9001, 14001,

Standards: UL 83, NTC 1332

Certifications: RETIE, NTC

45001, and RoHS Directive

Dialing

C THHN/THWN-2 [CALIBER] ([AREA] mm²) Cu(B) PVC/NY 600V 90°C AWM GR II VW-1 CT PROCABLES - PRYSMIAN GROUP COLOMBIA + [YEAR]

AWM: Appliance Wiring Material

VW-1: Vertical Flame Test

GR II: Resistant to oil and gasoline

CT: Suitable for cable trays

CERTIFICATION:



SPECS:

UL - 44

- ISO 9001: 2015

- ISO 14001: 2015

APPROVAL:

UL E 88510