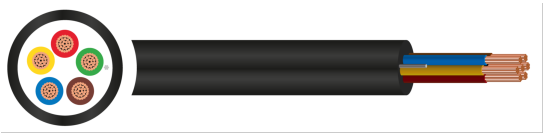
THHN/THWN-2 Unscreened Cable



Description

THHN/THWN-2 unscreened cables are specifically manufactured for petrochemical, oil & gas industries, where resistance to aliphatic and aromatic hydrocarbons is essential. These cables are suitable for installation in Class I, Division 2 hazardous locations, defined as "areas where flammable gases or vapours may be present under abnormal conditions, but are not normally encountered during standard operations". THHN references the Nylon-coated conductor wire, THWN-2 the 90°C PVC insulation layer

THHN/THWN-2 Cable have copper conductors insulated with flame-retardant PVC and a nylon binder tape. The cables have a UV-resistant PVC outer sheath. THHN/THWN-2 cables are approved for use in wet or dry locations and are engineered to meet the rigorous demands of the oil industry,. They are suitable for installation in trays, wireways, ducts, conduits, aerial applications with proper support, and are fully approved for direct burial.

Key Features

Voltage Rating
600 Volts

Minimum Bending Radius
Fixed: 6 x overall diameter
Flexing: 8 x overall diameter

Temperature Limits
Maximum operating temperature: +90°C

Standards

- UL 1277
- ICEA S-73-532
- UL 83

Construction

- **Conductor**: Copper Conductor
- **Insulation**: Flame Retardant Nylon / Polyvinyl Chloride (PVC-FR Nylon)
- **Ripcord**: Nylon
- **Outer Sheath**: UV resistant Polyvinyl Chloride compound (PVC)
- **Sheath Colour**: Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

THHN/THWN-2 Unscreened Cable - Dimensions

Reference	AWG Stranding	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
THHN/THWN2CUPVC2X10AWG	AWG 10	2	1.15	6.40 X 10.60	170
THHN/THWN2CUPVC2X12AWG	AWG 12	2	1.15	5.80 X 9.20	115
THHN/THWN2CUPVC2X14AWG	AWG 14	2	1.15	5.30 X 8.00	90
THHN/THWN2CUPVC3X10AWG	AWG 10	3	1.15	11.40	240
THHN/THWN2CUPVC3X12AWG	AWG 12	3	1.15	9.60	160
THHN/THWN2CUPVC3X14AWG	AWG 14	3	1.15	8.55	115
THHN/THWN2CUPVC4X10AWG	AWG 10	4	1.15	12.45	300
THHN/THWN2CUPVC4X12AWG	AWG 12	4	1.15	10.40	190
THHN/THWN2CUPVC4X14AWG	AWG 14	4	1.15	9.25	135
THHN/THWN2CUPVC5X10AWG	AWG 10	5	1.15	14.40	395
THHN/THWN2CUPVC5X10AWG	AWG 12	5	1.15	11.40	250
THHN/THWN2CUPVC5X10AWG	AWG 14	5	1.15	10.75	175
THHN/THWN2CUPVC6X10AWG	AWG 10	6	1.15	15.70	485
THHN/THWN2CUPVC6X12AWG	AWG 12	6	1.15	12.40	295
THHN/THWN2CUPVC6X14AWG	AWG 14	6	1.15	11.00	205
THHN/THWN2CUPVC7X10AWG	AWG 10	7	1.15	16.60	520
THHN/THWN2CUPVC7X12AWG	AWG 12	7	1.15	13.00	325
THHN/THWN2CUPVC7X14AWG	AWG 14	7	1.15	11.40	230
THHN/THWN2CUPVC8X10AWG	AWG 10	8	1.15	17.00	595
THHN/THWN2CUPVC8X12AWG	AWG 12	8	1.15	14.20	380
THHN/THWN2CUPVC8X14AWG	AWG 14	8	1.15	11.85	260
THHN/THWN2CUPVC9X10AWG	AWG 10	9	1.15	18.30	675
THHN/THWN2CUPVC9X12AWG	AWG 12	9	1.55	15.30	445

Reference	AWG Stranding	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
THHN/THWN2CUPVC9X14AWG	AWG 14	9	1.15	12.75	295
THHN/THWN2CUPVC10X10AWG	AWG 10	10	1.55	20.0	730
THHN/THWN2CUPVC12X10AWG	AWG 12	10	1.55	16.30	490
THHN/THWN2CUPVC10X14AWG	AWG 14	10	1.55	14.40	350
THHN/THWN2CUPVC12X10AWG	AWG 10	12	1.55	20.50	855
THHN/THWN2CUPVC12X12AWG	AWG 12	12	1.55	17.05	565
THHN/THWN2CUPVC12X14AWG	AWG 14	12	1.55	15.05	399
THHN/THWN2CUPVC15X10AWG	AWG 10	15	2.05	23.20	1165
THHN/THWN2CUPVC15X12AWG	AWG 12	15	1.55	18.4	700
THHN/THWN2CUPVC15X14AWG	AWG 14	15	1.55	16.20	490
THHN/THWN2CUPVC19X10AWG	AWG 10	19	2.05	25.05	1365
THHN/THWN2CUPVC19X12AWG	AWG 12	19	1.55	19.90	855
THHN/THWN2CUPVC19X14AWG	AWG 14	19	1.55	17.50	595
THHN/THWN2CUPVC20X10AWG	AWG 10	20	2.05	26.00	1425
THHN/THWN2CUPVC20X10AWG	AWG 12	20	1.55	20.50	870
THHN/THWN2CUPVC20X10AWG	AWG 14	20	1.55	18.0	620
THHN/THWN2CUPVC25X10AWG	AWG 10	25	2.05	29.00	1755
THHN/THWN2CUPVC25X12AWG	AWG 12	25	2.05	24.0	1160
THHN/THWN2CUPVC25X14AWG	AWG 14	25	1.55	20.15	775
THHN/THWN2CUPVC30X10AWG	AWG 10	30	2.05	31.00	2075
THHN/THWN2CUPVC30X12AWG	AWG 12	30	2.05	25.65	1365
THHN/THWN2CUPVC30X14AWG	AWG 14	30	2.05	22.55	950
THHN/THWN2CUPVC37X10AWG	AWG 10	37	2.05	33.45	2525
THHN/THWN2CUPVC37X12AWG	AWG 12	37	2.05	27.60	1650

Reference	AWG Stranding	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
THHN/THWN2CUPVC37X 14AWG	AWG 14	37	2.05	24.25	1155
THHN/THWN2CUPVC40X 10AWG	AWG 10	40	2.05	34.95	2715
THHN/THWN2CUPVC40X 12AWG	AWG 12	40	2.05	28.70	1815
THHN/THWN2CUPVC40X 14AWG	AWG 14	40	2.05	25.20	1245
THHN/THWN2CUPVC45X 10AWG	AWG 10	45	2.05	36.95	3040
THHN/THWN2CUPVC45X 12AWG	AWG 12	45	2.05	30.30	2025
THHN/THWN2CUPVC45X 14AWG	AWG 14	45	2.05	26.55	1385
THHN/THWN2CUPVC50X 10AWG	AWG 10	50	2.05	31.35	3355
THHN/THWN2CUPVC50X 12AWG	AWG 12	50	2.05	31.50	2230
THHN/THWN2CUPVC50X 14AWG	AWG 14	50	2.05	27.55	1450

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.