



PRODUCT CATALOG

Metallic & Non-Metallic Outlet Boxes,
Fiberglass Outlet Boxes, Extra-Duty Bubble
Covers, Wiring Devices, Building Wire &
Structured Cable, and Lighting

A complete line of electrical
products designed & manufactured
by professionals





BUILDING WIRE & STRUCTURED CABLE



NM-B

Non-Metallic Sheathed Building Wire



TYPE FLAT NM-B CABLE



1. Conductor: Annealed copper, Annealed to ASTM B3.
2. Insulation: PVC, type THHN.
Color for 2 conductors: White, Black;
Color for 3 conductors: White, Black, Red.
3. Wrapping: Kraft paper wrapping over the grounding conductor.
4. Core jacket: Nylon.
5. Assembly: Conductors laid parallel, Kraft paper wrapped.
6. Jacket: PVC, flame retardant, 90° C.

Nominal section (AWG)	Color of jacket
12	Yellow
14	White
10	Orange
8~2	Black

Standards: UL719, UL83, UL1581

Size	Number of strands in the conductor	Number of conductors	Insulation Thickness	Min. Thickness of nylon	Size of grounding core	Number of strands in the ground	Jacket thickness	Approx. OD L*H	Weight	Allowable Ampacity
TWO CONDUCTOR										
AWG			mm	mm	AWG		mm	mm	lbs/1000FT	A
14	1	2	0.38	0.1	14	1	0.76	4.5*9.1	66	15
12	1	2	0.38	0.1	12	1	0.76	4.9*10.4	93	20
10	1	2	0.51	0.1	10	1	0.76	5.7*12.5	137	30
8	7	2	0.76	0.13	10	1	0.76	7.4*15.9	201	40
6	7	2	0.76	0.13	10	1	0.76	8.4*17.5	272	55
THREE CONDUCTOR										
14	1	3	0.38	0.1	14	1	0.76	4.5*11.3	87	15
12	1	3	0.38	0.1	12	1	0.76	4.9*13.4	122	20
10	1	3	0.51	0.1	10	1	0.76	5.7*15.9	182	30
8	7	3	0.76	0.13	10	1	0.76	7.4*21.1	273	40
6	7	3	0.76	0.13	10	1	0.76	8.4*23.9	388	55



THHN WIRE

600 Volts Copper Conductor Thermoplastic Insulation Nylon Sheath THHN / THWN / THWN-2



Applications

- THHN or THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications as specified in the National Electrical Code. Voltage for all applications is 600 volts.
- When used as type THHN, conductor is suitable for use in dry locations at temperatures not to exceed 90° C.
- When used as type THWN, conductor is suitable for use at temperatures not to exceed 90° C, dry locations or 75° C, wet locations or not to exceed 75° C when exposed to oil or coolant.
- When used as type THWN-2, conductor is suitable for use in wet and dry locations at temperatures not to exceed 90° C or not to exceed 75° C when exposed to oil or coolant.
- Conductor temperatures not to exceed 105° C in dry locations when rated AWM and used as appliance wiring material.
- Voltage rating for all applications is 600 volts.

Specifications

- THHN or THWN-2 complies with:
- ASTM - B3, B8 (7, 19, 37, 61 Strands), B 787 (19 Wire Combination Unilay Strand)

Technical Compliances:

- UL 83 - Thermoplastic-insulated wires and cables
- CSA C22.2 No. 75-03
- UL 1063 (MTW) - Machine-tool wires and cables (stranded cables only)
- UL 758 (AWM)
- ICEA S-95-658/NEMA WC 70



LIC-CAT6 CCA

Cable



LIC-CAT6 CCA

Cable

Features:

- CAT6 4 Pair UTP Cable
- Gauge: 23 AWG
- Conductor Material: CCA
- Material: HDPE
- Grade: CMR, CMG
- Packaging: 1000 FT Pull Box
- Standards: ISO/IEC 11801, ANSI/TIA/EIA/-568-B, IEC 61156-5, UL910, UL1666, UL444

Model:	LIC-CAT6 CCA
OD:	23AWG (0.56mm)
Material:	CCA, HDPE
Flamability Grade:	CMR
Jacket Material:	PVC



LIC-CAT6 COPPER

Cable



LIC-CAT6 COPPER

Cable

Features:

- CAT6 4 Pair UTP Cable
- Gauge: 23 AWG
- Conductor Material: Copper
- Material: HDPE
- Grade: CMR, CMG
- Packaging: 1000 FT Pull Box
- Standards: ISO/IEC 11801, ANSI/TIA/EIA/-568-B, IEC 61156-5, UL910, UL1666, UL444

Model:	LIC-CAT6 Copper
OD:	23AWG (0.56mm)
Material:	Copper, HDPE
Flamability Grade:	CM, CMR, CMG
Jacket Material:	PVC



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