

# Cu Tray Cable

## THHN/THWN-2 Insulation, PVC Jacket



### Application

This cable is used for power, control, signal, communication, and lighting circuits. It is approved for use in cable trays within hazardous areas and raceways supported by a messenger wire in open air or for direct burial applications. The cable is suitable for installation in both wet and dry locations, including areas exposed to chemicals and oils.

### Construction

Conductor	7 strands of Class B compressed bare copper per ASTM B3 and ASTM B8
Insulation	Cross-Linked Polyethylene (XLPE) with a THHN/THWN-type nylon layer
Jacket	Flame-and sunlight-resistant black PVC, rated 90°C, suitable for wet or dry locations per UL 1277

### Technical Data

Rated Voltage	600V
Operating Temperature	The maximum permissible continuous operating temperature of the conductor is 90°C.
Standards	UL 83 Thermoplastic Insulated Wires and Cables UL 1277 Electrical Power and Control Tray Cables UL 1685 Vertical-Tray Fire Propagation and Smoke Release Test

Conductor Number	Conductor Size AWG/kcmil	Ground Size AWG/kcmil	Overall Diameter Inch	Ampacity at 90°C
3	8	10	0.69	55
3	6	8	0.73	75
3	4	8	0.94	95
3	2	6	1.04	130
2	14	—	0.32	25
3	14	—	0.33	25
4	14	—	0.36	20
5	14	—	0.39	20
6	14	—	0.43	20
8	14	—	0.47	17
9	14	—	0.50	17
10	14	—	0.57	12
12	14	—	0.58	12
15	14	—	0.64	12
19	14	—	0.67	12
20	14	—	0.71	12
25	14	—	0.81	11
30	14	—	0.89	11
37	14	—	0.96	10