

# Aluminum 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	Class B compact stranded 8000 Series aluminum per ASTM B800 and ASTM B836
Insulation	Polyvinyl Chloride (PVC) 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	1X8	0.57	45
3	6	1X8	0.67	55
3	4	1X6	0.81	75
3	2	1X6	0.96	100
3	1	1X6	1.07	115
3	1	1X4	1.12	115
3	1/0	1X4	1.15	135
3	2/0	1X3	1.24	150
3	3/0	1X4	1.34	175
3	4/0	1X2	1.45	205
3	250	1X2	1.60	230
3	300	1X2	1.77	260
3	350	1X2	1.87	280
3	500	1X1	2.13	350
3	600	1X4/0	2.35	385
3	600	1X600	2.53	385
3	750	1X3/0	2.55	435