



OUTDOOR AND DIRECT BURIAL TRAY CABLE

UL 1277

25 orderable sizes

STANDARD UL 1277	VOLTAGE CLASS 600 V	TEMPERATURE CLASS 90 °C dry / 75 °C wet guide
CONDUCTOR Stranded bare copper conductor	INSULATION / JACKET Sunlight, oil and direct-burial rated PVC jacket	

Construction

- 1 ■ **Conductor (per core)** – Stranded bare copper conductor · 7 × Ø0.62 mm · IEC 60228 cl.2
- 2 ■ **Core insulation** – XHHW-2 or PVC nylon insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Sheath** – Sunlight, oil and direct-burial rated PVC jacket

Size selection — all available cross-sections

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 3 core 14 AWG / 2.08 mm ²	Outdoor direct-burial tray cable	Direct burial tray	3 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	14.1 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 3 core 12 AWG / 3.31 mm ²	Outdoor direct-burial tray cable	Direct burial tray	3 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	14.7 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 3 core 10 AWG / 5.26 mm ²	Outdoor direct-burial tray cable	Direct burial tray	3 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	15.5 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 3 core 8 AWG / 8.37 mm ²	Outdoor direct-burial tray cable	Direct burial tray	3 core	8 AWG / 8.37 mm ²	600 V	2.21 Ω/km	16.5 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 3 core 6 AWG / 13.3 mm ²	Outdoor direct-burial tray cable	Direct burial tray	3 core	6 AWG / 13.3 mm ²	600 V	1.39 Ω/km	17.8 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 4 core 14 AWG / 2.08 mm ²	Outdoor direct-burial tray cable	Direct burial tray	4 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	14.6 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 4 core 12 AWG / 3.31 mm ²	Outdoor direct-burial tray cable	Direct burial tray	4 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	15.2 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 4 core 10 AWG / 5.26 mm ²	Outdoor direct-burial tray cable	Direct burial tray	4 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	16.0 mm
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Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 5 core 10 AWG / 5.26 mm ²	Outdoor direct-burial tray cable	Direct burial tray	5 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	16.4 mm

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Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 7 core 14 AWG / 2.08 mm ²	Outdoor direct-burial tray cable	Direct burial tray	7 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	15.7 mm
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Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 7 core 8 AWG / 8.37 mm ²	Outdoor direct-burial tray cable	Direct burial tray	7 core	8 AWG / 8.37 mm ²	600 V	2.21 Ω/km	18.1 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 7 core 6 AWG / 13.3 mm ²	Outdoor direct-burial tray cable	Direct burial tray	7 core	6 AWG / 13.3 mm ²	600 V	1.39 Ω/km	19.4 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 12 core 14 AWG / 2.08 mm ²	Outdoor direct-burial tray cable	Direct burial tray	12 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	17.1 mm
Direct burial tray cable 600 V Outdoor direct-burial tray cable Direct burial tray 12 core 12 AWG / 3.31 mm ²	Outdoor direct-burial tray cable	Direct burial tray	12 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	17.8 mm

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