



TYPE TC TRAY POWER AND CONTROL CABLE

UL 1277

28 orderable sizes

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| STANDARD UL 1277 | VOLTAGE CLASS 600 V | TEMPERATURE CLASS 90 °C dry / 75 °C wet guide |
| CONDUCTOR Stranded bare copper conductor | INSULATION / JACKET Oil and sunlight resistant PVC tray jacket | |

Construction

- 1 ■ Conductor (per core) – Stranded bare copper conductor · 30 × Ø0.24 mm · IEC 60228 cl.5
- 2 ■ Core insulation – PVC nylon insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – Oil and sunlight resistant PVC tray 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 |
|---|------------------------|-------------------|--------------------|-------------------------------|---------------|----------------------------|----------|
| Type TC 600 V Power and control tray Power and control 3 core 18 AWG / 0.82 mm ² | Power and control tray | Power and control | 3 core | 18 AWG / 0.82 mm ² | 600 V | 22.6 Ω/km | 12.2 mm |
| Type TC 600 V Power and control tray Power and control 3 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 3 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 12.6 mm |
| Type TC 600 V Power and control tray Power and control 3 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 3 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 13.1 mm |
| Type TC 600 V Power and control tray Power and control 3 core 12 AWG / 3.31 mm ² | Power and control tray | Power and control | 3 core | 12 AWG / 3.31 mm ² | 600 V | 5.59 Ω/km | 13.7 mm |

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| Type TC 600 V Power and control tray Power and control 4 core 18 AWG / 0.82 mm ² | Power and control tray | Power and control | 4 core | 18 AWG / 0.82 mm ² | 600 V | 22.6 Ω/km | 12.6 mm |
| Type TC 600 V Power and control tray Power and control 4 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 4 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 13.0 mm |
| Type TC 600 V Power and control tray Power and control 4 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 4 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 13.6 mm |
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| Type TC 600 V Power and control tray Power and control 5 core 18 AWG / 0.82 mm ² | Power and control tray | Power and control | 5 core | 18 AWG / 0.82 mm ² | 600 V | 22.6 Ω/km | 13.1 mm |
| Type TC 600 V Power and control tray Power and control 5 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 5 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 13.5 mm |
| Type TC 600 V Power and control tray Power and control 5 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 5 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 14.0 mm |
| Type TC 600 V Power and control tray Power and control 5 core 12 AWG / 3.31 mm ² | Power and control tray | Power and control | 5 core | 12 AWG / 3.31 mm ² | 600 V | 5.59 Ω/km | 14.6 mm |
| Type TC 600 V Power and control tray Power and control 7 core 18 AWG / 0.82 mm ² | Power and control tray | Power and control | 7 core | 18 AWG / 0.82 mm ² | 600 V | 22.6 Ω/km | 13.8 mm |
| Type TC 600 V Power and control tray Power and control 7 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 7 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 14.2 mm |
| Type TC 600 V Power and control tray Power and control 7 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 7 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 14.7 mm |
| Type TC 600 V Power and control tray Power and control 7 core 12 AWG / 3.31 mm ² | Power and control tray | Power and control | 7 core | 12 AWG / 3.31 mm ² | 600 V | 5.59 Ω/km | 15.3 mm |

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| Type TC 600 V Power and control tray Power and control 12 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 12 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 15.6 mm |
| Type TC 600 V Power and control tray Power and control 12 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 12 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 16.1 mm |
| Type TC 600 V Power and control tray Power and control 12 core 12 AWG / 3.31 mm ² | Power and control tray | Power and control | 12 core | 12 AWG / 3.31 mm ² | 600 V | 5.59 Ω/km | 16.8 mm |
| Type TC 600 V Power and control tray Power and control 18 core 18 AWG / 0.82 mm ² | Power and control tray | Power and control | 18 core | 18 AWG / 0.82 mm ² | 600 V | 22.6 Ω/km | 16.6 mm |
| Type TC 600 V Power and control tray Power and control 18 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 18 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 17.0 mm |
| Type TC 600 V Power and control tray Power and control 18 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 18 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 17.5 mm |
| Type TC 600 V Power and control tray Power and control 18 core 12 AWG / 3.31 mm ² | Power and control tray | Power and control | 18 core | 12 AWG / 3.31 mm ² | 600 V | 5.59 Ω/km | 18.1 mm |
| Type TC 600 V Power and control tray Power and control 25 core 18 AWG / 0.82 mm ² | Power and control tray | Power and control | 25 core | 18 AWG / 0.82 mm ² | 600 V | 22.6 Ω/km | 17.9 mm |
| Type TC 600 V Power and control tray Power and control 25 core 16 AWG / 1.31 mm ² | Power and control tray | Power and control | 25 core | 16 AWG / 1.31 mm ² | 600 V | 14.1 Ω/km | 18.3 mm |
| Type TC 600 V Power and control tray Power and control 25 core 14 AWG / 2.08 mm ² | Power and control tray | Power and control | 25 core | 14 AWG / 2.08 mm ² | 600 V | 8.89 Ω/km | 18.8 mm |
| Type TC 600 V Power and control tray Power and control 25 core 12 AWG / 3.31 mm ² | Power and control tray | Power and control | 25 core | 12 AWG / 3.31 mm ² | 600 V | 5.59 Ω/km | 19.4 mm |

