



HEAVY-DUTY TPE TRAY CABLE

UL 1277 TC-ER

20 orderable sizes

STANDARD UL 1277 TC-ER	VOLTAGE CLASS 600 V	TEMPERATURE CLASS 105 °C guide
CONDUCTOR Fine stranded bare copper conductor	INSULATION / JACKET Heavy-duty oil and sunlight resistant TPE tray jacket	

Construction

- 1 ■ Conductor (per core) – Fine stranded bare copper conductor · 50 × Ø0.23 mm · IEC 60228 cl.5
- 2 ■ Core insulation – TPE or PVC nylon insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – Heavy-duty oil and sunlight resistant TPE 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
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 3 core 16 AWG / 1.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	3 core	16 AWG / 1.31 mm ²	600 V	14.1 Ω/km	13.6 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 3 core 14 AWG / 2.08 mm ²	Heavy-duty tray cable	Heavy-duty tray	3 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	14.1 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 3 core 12 AWG / 3.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	3 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	14.7 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 3 core 10 AWG / 5.26 mm ²	Heavy-duty tray cable	Heavy-duty tray	3 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	15.5 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 4 core 16 AWG / 1.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	4 core	16 AWG / 1.31 mm ²	600 V	14.1 Ω/km	14.0 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 4 core 14 AWG / 2.08 mm ²	Heavy-duty tray cable	Heavy-duty tray	4 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	14.6 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 4 core 12 AWG / 3.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	4 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	15.2 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 4 core 10 AWG / 5.26 mm ²	Heavy-duty tray cable	Heavy-duty tray	4 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	16.0 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 5 core 16 AWG / 1.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	5 core	16 AWG / 1.31 mm ²	600 V	14.1 Ω/km	14.5 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 5 core 14 AWG / 2.08 mm ²	Heavy-duty tray cable	Heavy-duty tray	5 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	15.0 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 5 core 12 AWG / 3.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	5 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	15.6 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 5 core 10 AWG / 5.26 mm ²	Heavy-duty tray cable	Heavy-duty tray	5 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	16.4 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 7 core 16 AWG / 1.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	7 core	16 AWG / 1.31 mm ²	600 V	14.1 Ω/km	15.2 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 7 core 14 AWG / 2.08 mm ²	Heavy-duty tray cable	Heavy-duty tray	7 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	15.7 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 7 core 12 AWG / 3.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	7 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	16.3 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 7 core 10 AWG / 5.26 mm ²	Heavy-duty tray cable	Heavy-duty tray	7 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	17.1 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 12 core 16 AWG / 1.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	12 core	16 AWG / 1.31 mm ²	600 V	14.1 Ω/km	16.6 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 12 core 14 AWG / 2.08 mm ²	Heavy-duty tray cable	Heavy-duty tray	12 core	14 AWG / 2.08 mm ²	600 V	8.89 Ω/km	17.1 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 12 core 12 AWG / 3.31 mm ²	Heavy-duty tray cable	Heavy-duty tray	12 core	12 AWG / 3.31 mm ²	600 V	5.59 Ω/km	17.8 mm
TRAY HD TPE 600 V Heavy-duty tray cable Heavy-duty tray 12 core 10 AWG / 5.26 mm ²	Heavy-duty tray cable	Heavy-duty tray	12 core	10 AWG / 5.26 mm ²	600 V	3.52 Ω/km	18.6 mm

UE Cable · China — sales@uecable.com · uecable.com Confirm colour, printing, packing length, delivery country and test documents on enquiry.