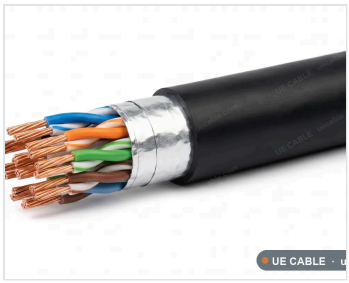

INSTRUMENTATION TRAY CABLE

UL 2250 | 24 orderable sizes

STANDARD	VOLTAGE CLASS	TEMPERATURE CLASS
UL 2250	300 V	90 °C dry / 75 °C wet guide

CONDUCTOR	INSULATION / JACKET
Stranded bare copper conductor	Sunlight resistant PVC tray jacket

Construction

1. Conductor (per core) — Stranded bare copper conductor · 7 × Ø0.49 mm · IEC 60228 cl.2
2. Pair insulation — PVC nylon instrumentation insulation
3. Individual screen (IS) — Al/polyester foil + tinned-copper drain
4. Filler — Bedding / filler
5. Overall screen (OS) — Al/polyester foil + drain
6. Sheath — 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
ITC 300 V Instrumentation tray signal Pair 1 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Pair	1 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	11.8 mm
ITC 300 V Instrumentation tray signal Pair 1 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Pair	1 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	12.2 mm
ITC 300 V Instrumentation tray signal Pair 2 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Pair	2 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	12.8 mm
ITC 300 V Instrumentation tray signal Pair 2 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Pair	2 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	13.2 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
ITC 300 V Instrumentation tray signal Pair 4 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Pair	4 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	14.3 mm
ITC 300 V Instrumentation tray signal Pair 4 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Pair	4 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	14.7 mm
ITC 300 V Instrumentation tray signal Pair 8 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Pair	8 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	16.3 mm
ITC 300 V Instrumentation tray signal Pair 8 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Pair	8 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	16.7 mm
ITC 300 V Instrumentation tray signal Pair 12 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Pair	12 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	17.9 mm
ITC 300 V Instrumentation tray signal Pair 12 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Pair	12 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	18.3 mm
ITC 300 V Instrumentation tray signal Pair 16 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Pair	16 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	19.2 mm
ITC 300 V Instrumentation tray signal Pair 16 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Pair	16 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	19.6 mm
ITC 300 V Instrumentation tray signal Triad 1 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Triad	1 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	11.8 mm
ITC 300 V Instrumentation tray signal Triad 1 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Triad	1 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	12.2 mm
ITC 300 V Instrumentation tray signal Triad 2 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Triad	2 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	12.8 mm
ITC 300 V Instrumentation tray signal Triad 2 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Triad	2 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	13.2 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
ITC 300 V Instrumentation tray signal Triad 4 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Triad	4 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	14.3 mm
ITC 300 V Instrumentation tray signal Triad 4 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Triad	4 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	14.7 mm
ITC 300 V Instrumentation tray signal Triad 8 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Triad	8 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	16.3 mm
ITC 300 V Instrumentation tray signal Triad 8 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Triad	8 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	16.7 mm
ITC 300 V Instrumentation tray signal Triad 12 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Triad	12 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	17.9 mm
ITC 300 V Instrumentation tray signal Triad 12 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Triad	12 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	18.3 mm
ITC 300 V Instrumentation tray signal Triad 16 pair 18 AWG / 0.82 mm²	Instrumentation tray signal	Triad	16 pair	18 AWG / 0.82 mm²	300 V	22.6 Ω/km	19.2 mm
ITC 300 V Instrumentation tray signal Triad 16 pair 16 AWG / 1.31 mm²	Instrumentation tray signal	Triad	16 pair	16 AWG / 1.31 mm²	300 V	14.1 Ω/km	19.6 mm