



## VFD TRAY MOTOR CABLE

UL 1277 TC-ER / WTTC reference

14 orderable sizes

<b>STANDARD</b> UL 1277 TC-ER / WTTC reference	<b>VOLTAGE CLASS</b> 600 V / 1000 V	<b>TEMPERATURE CLASS</b> 90 °C dry / 75 °C wet guide
<b>CONDUCTOR</b> Fine stranded bare copper conductor	<b>INSULATION / JACKET</b> Oil and sunlight resistant PVC tray jacket	

### Construction

- 1 ■ **Conductor (per core)** – Fine stranded bare copper conductor · 84 × Ø0.28 mm · IEC 60228 cl.5
- 2 ■ **Core insulation** – XLPE or PVC nylon VFD insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Shield** – Braid shield (C)
- 5 ■ **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
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 14 AWG / 2.08 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	14 AWG / 2.08 mm <sup>2</sup>	600 V / 1000 V	8.89 Ω/km	17.2 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 12 AWG / 3.31 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	12 AWG / 3.31 mm <sup>2</sup>	600 V / 1000 V	5.59 Ω/km	17.9 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 10 AWG / 5.26 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	10 AWG / 5.26 mm <sup>2</sup>	600 V / 1000 V	3.52 Ω/km	18.7 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 8 AWG / 8.37 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	8 AWG / 8.37 mm <sup>2</sup>	600 V / 1000 V	2.21 Ω/km	19.7 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 6 AWG / 13.3 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	6 AWG / 13.3 mm <sup>2</sup>	600 V / 1000 V	1.39 Ω/km	21.0 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 4 AWG / 21.2 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	4 AWG / 21.2 mm <sup>2</sup>	600 V / 1000 V	0.873 Ω/km	22.6 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 3 power cores + 3 symmetrical grounds 2 AWG / 33.6 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	3 power cores + 3 symmetrical grounds	2 AWG / 33.6 mm <sup>2</sup>	600 V / 1000 V	0.551 Ω/km	24.6 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 14 AWG / 2.08 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	14 AWG / 2.08 mm <sup>2</sup>	600 V / 1000 V	8.89 Ω/km	16.5 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 12 AWG / 3.31 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	12 AWG / 3.31 mm <sup>2</sup>	600 V / 1000 V	5.59 Ω/km	17.1 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 10 AWG / 5.26 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	10 AWG / 5.26 mm <sup>2</sup>	600 V / 1000 V	3.52 Ω/km	17.9 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 8 AWG / 8.37 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	8 AWG / 8.37 mm <sup>2</sup>	600 V / 1000 V	2.21 Ω/km	18.9 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 6 AWG / 13.3 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	6 AWG / 13.3 mm <sup>2</sup>	600 V / 1000 V	1.39 Ω/km	20.2 mm
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 4 AWG / 21.2 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	4 AWG / 21.2 mm <sup>2</sup>	600 V / 1000 V	0.873 Ω/km	21.8 mm

Cable reference	Tray cable duty	Circuit type	Core / pair design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide
VFD tray cable 600 V / 1000 V VFD motor tray feed VFD motor feed 4 core 2 AWG / 33.6 mm <sup>2</sup>	VFD motor tray feed	VFD motor feed	4 core	2 AWG / 33.6 mm <sup>2</sup>	600 V / 1000 V	0.551 Ω/km	23.9 mm

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