



105 °C PANEL AND SWITCHGEAR WIRE

BS 6231 / UL 1015 / CSA TEW

18 orderable sizes

STANDARD BS 6231 / UL 1015 / CSA TEW	VOLTAGE CLASS 450/750 V / 600 V	TEMPERATURE CLASS +105 °C panel wire service
CONDUCTOR Class 5 flexible copper conductor	INSULATION / JACKET Heat-resistant PVC insulation finish	

Construction

- 1 ■ **Conductor** – Class 5 flexible copper conductor · 50 × Ø0.25 mm · IEC 60228 cl.5
- 2 ■ **Insulation** – Heat-resistant PVC insulation

Size selection — all available cross-sections

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 0.5 mm ²	Switchgear and panel wiring	1 core	0.5 mm ²	450/750 V / 600 V	37.1 Ω/km	4.4 mm	0.14 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 0.75 mm ²	Switchgear and panel wiring	1 core	0.75 mm ²	450/750 V / 600 V	24.7 Ω/km	4.6 mm	0.14 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 1.0 mm ²	Switchgear and panel wiring	1 core	1.0 mm ²	450/750 V / 600 V	18.5 Ω/km	4.8 mm	0.14 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 1.5 mm ²	Switchgear and panel wiring	1 core	1.5 mm ²	450/750 V / 600 V	12.7 Ω/km	5.1 mm	0.15 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 2.5 mm ²	Switchgear and panel wiring	1 core	2.5 mm ²	450/750 V / 600 V	7.6 Ω/km	5.5 mm	0.16 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 4 mm ²	Switchgear and panel wiring	1 core	4 mm ²	450/750 V / 600 V	4.7 Ω/km	6.1 mm	0.17 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 6 mm ²	Switchgear and panel wiring	1 core	6 mm ²	450/750 V / 600 V	3.1 Ω/km	6.7 mm	0.20 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 10 mm ²	Switchgear and panel wiring	1 core	10 mm ²	450/750 V / 600 V	1.83 Ω/km	7.7 mm	0.24 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 16 mm ²	Switchgear and panel wiring	1 core	16 mm ²	450/750 V / 600 V	1.15 Ω/km	8.8 mm	0.31 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 25 mm ²	Switchgear and panel wiring	1 core	25 mm ²	450/750 V / 600 V	0.727 Ω/km	10.1 mm	0.40 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 35 mm ²	Switchgear and panel wiring	1 core	35 mm ²	450/750 V / 600 V	0.524 Ω/km	11.4 mm	0.51 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 50 mm ²	Switchgear and panel wiring	1 core	50 mm ²	450/750 V / 600 V	0.387 Ω/km	12.9 mm	0.68 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 70 mm ²	Switchgear and panel wiring	1 core	70 mm ²	450/750 V / 600 V	0.268 Ω/km	14.7 mm	0.90 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 95 mm ²	Switchgear and panel wiring	1 core	95 mm ²	450/750 V / 600 V	0.193 Ω/km	16.6 mm	1.18 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 120 mm ²	Switchgear and panel wiring	1 core	120 mm ²	450/750 V / 600 V	0.153 Ω/km	18.2 mm	1.45 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 150 mm ²	Switchgear and panel wiring	1 core	150 mm ²	450/750 V / 600 V	0.123 Ω/km	19.9 mm	1.78 kg/m
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 185 mm ²	Switchgear and panel wiring	1 core	185 mm ²	450/750 V / 600 V	0.100 Ω/km	21.8 mm	2.16 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
Tri-rated panel wire 450/750 V / 600 V Switchgear and panel wiring 1 core 240 mm ²	Switchgear and panel wiring	1 core	240 mm ²	450/750 V / 600 V	0.077 Ω/km	24.3 mm	2.77 kg/m

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