



STANDARD-FLEX HARMONISED WELDING CABLE

EN 50525-2-81

11 orderable sizes

STANDARD EN 50525-2-81	VOLTAGE CLASS 100/100 V	TEMPERATURE CLASS -20 °C to +85 °C flexible service guide
CONDUCTOR Class 6 extra flexible copper conductor	INSULATION / JACKET EM5 rubber welding sheath	

Construction

- 1 ■ **Conductor** – Class 6 extra flexible copper conductor · 1221 × Ø0.5 mm · IEC 60228 cl.5
- 2 ■ **Insulation** – Rubber welding insulation

Size selection — all available cross-sections

Cable reference	Welding duty	Conductor size	AWG / kcmil guide	Max DC resistance at 20 °C	OD guide	Cable weight	Welding current guide
H01N2-D 100/100 V Welder to electrode holder 1 core 10 mm ²	Welder to electrode holder	10 mm ²	8 AWG	1.83 Ω/km	7.7–8.7 mm	0.17 kg/m	80–110 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 16 mm ²	Welder to electrode holder	16 mm ²	6 AWG	1.15 Ω/km	8.8–9.8 mm	0.20 kg/m	110–150 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 25 mm ²	Welder to electrode holder	25 mm ²	4 AWG	0.727 Ω/km	10.1–11.3 mm	0.31 kg/m	150–200 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 35 mm ²	Welder to electrode holder	35 mm ²	2 AWG	0.524 Ω/km	11.4–12.6 mm	0.42 kg/m	200–260 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 50 mm ²	Welder to electrode holder	50 mm ²	1/0 AWG	0.387 Ω/km	13.2–14.6 mm	0.56 kg/m	250–330 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 70 mm ²	Welder to electrode holder	70 mm ²	2/0 AWG	0.268 Ω/km	15.3–16.9 mm	0.77 kg/m	320–420 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 95 mm ²	Welder to electrode holder	95 mm ²	3/0 AWG	0.193 Ω/km	17.1–18.8 mm	1.01 kg/m	400–520 A guide

Cable reference	Welding duty	Conductor size	AWG / kcmil guide	Max DC resistance at 20 °C	OD guide	Cable weight	Welding current guide
H01N2-D 100/100 V Welder to electrode holder 1 core 120 mm ²	Welder to electrode holder	120 mm ²	250 kcmil	0.153 Ω/km	19.2–21.1 mm	1.26 kg/m	500–620 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 150 mm ²	Welder to electrode holder	150 mm ²	300 kcmil	0.123 Ω/km	21.1–23.2 mm	1.61 kg/m	600–730 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 185 mm ²	Welder to electrode holder	185 mm ²	350 kcmil	0.100 Ω/km	23.5–25.5 mm	1.95 kg/m	700–850 A guide
H01N2-D 100/100 V Welder to electrode holder 1 core 240 mm ²	Welder to electrode holder	240 mm ²	500 kcmil	0.077 Ω/km	25.8–27.7 mm	2.52 kg/m	800–1000 A guide

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