



EXTRA-FLEX HARMONISED WELDING CABLE

EN 50525-2-81

8 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 fine copper conductor	INSULATION / JACKET Extra-flex EM5 rubber welding sheath	

Construction

- 1 ■ **Conductor** – Class 6 extra fine copper conductor · 276 × Ø0.4 mm · IEC 60228 cl.5
- 2 ■ **Insulation** – Extra-flex 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-E 100/100 V High-flex electrode holder lead 1 core 10 mm ²	High-flex electrode holder lead	10 mm ²	8 AWG	1.83 Ω/km	11.3–12.3 mm	0.27 kg/m	80–110 A guide
H01N2-E 100/100 V High-flex electrode holder lead 1 core 16 mm ²	High-flex electrode holder lead	16 mm ²	6 AWG	1.15 Ω/km	12.5–13.5 mm	0.33 kg/m	110–150 A guide
H01N2-E 100/100 V High-flex electrode holder lead 1 core 25 mm ²	High-flex electrode holder lead	25 mm ²	4 AWG	0.727 Ω/km	13.9–14.9 mm	0.43 kg/m	150–200 A guide
H01N2-E 100/100 V High-flex electrode holder lead 1 core 35 mm ²	High-flex electrode holder lead	35 mm ²	2 AWG	0.524 Ω/km	15.3–16.3 mm	0.54 kg/m	200–260 A guide
H01N2-E 100/100 V High-flex electrode holder lead 1 core 50 mm ²	High-flex electrode holder lead	50 mm ²	1/0 AWG	0.387 Ω/km	17.0–18.0 mm	0.70 kg/m	250–330 A guide
H01N2-E 100/100 V High-flex electrode holder lead 1 core 70 mm ²	High-flex electrode holder lead	70 mm ²	2/0 AWG	0.268 Ω/km	18.8–19.8 mm	0.92 kg/m	320–420 A guide
H01N2-E 100/100 V High-flex electrode holder lead 1 core 95 mm ²	High-flex electrode holder lead	95 mm ²	3/0 AWG	0.193 Ω/km	20.8–21.8 mm	1.19 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-E 100/100 V High-flex electrode holder lead 1 core 120 mm ²	High-flex electrode holder lead	120 mm ²	250 kcmil	0.153 Ω/km	22.6–23.6 mm	1.46 kg/m	500–620 A guide

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