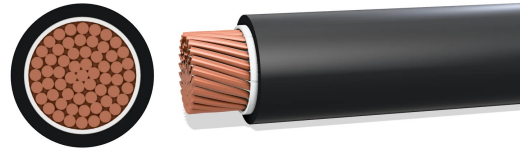


Application

H01N2-E is a single-core, extra-flexible rubber welding cable to HD 22.6 S2 (VDE 0282-6) / EN 50525-2-81, rated 100/100 V, for the electrode and return leads of electric arc-welding equipment and for the flexible connection of welding transformers, rectifiers and inverters. It is the high-flexibility sibling of H01N2-D: the conductor and the special welding rubber are identical, but H01N2-E has a thinner rubber wall, so for the same copper cross-section it is smaller in diameter, lighter and easier to handle and coil. Choose it where the cable is moved, dragged and coiled a lot and low weight matters. The very fine-wire bare copper conductor gives high flexibility; a single special cross-linked rubber layer (over a separator on the conductor) forms the combined insulation and sheath, heat-, spatter-, oil-, ozone- and weather-resistant and flexible in the cold. It suits dry, damp and wet locations and hand-guided, non-forced flexing; it is not intended for fixed installation or continuous forced reeling.



CONSTRUCTION

Conductor	Very fine-wire stranded bare (plain) annealed copper, class 6 (to 95 mm ²) or class 5 (from 120 mm ²) to IEC/EN 60228.
Separator	Polyester (PET) film or paper tape over the conductor.
Sheath	Single special cross-linked rubber layer serving as combined insulation and sheath (polychloroprene / neoprene-based elastomer, compound EM5 to EN 50363-2-2); a thinner wall than H01N2-D for higher flexibility; round; black.
Core	Single core; black (other colours on request).

ELECTRICAL & THERMAL PROPERTIES

Rated voltage Uo/U	100/100 V (150 V DC).
Test voltage	1.0 kV.
Standard	HD 22.6 S2 (VDE 0282-6) / EN 50525-2-81; conductor IEC/EN 60228.
Flame-retardant	IEC/EN 60332-1-2.
Max. conductor temperature	+85 °C.
Permitted outer cable temperature, moved	-20 °C to +85 °C (fixed down to -35 °C).
Min. bending radius, moved	6 × outer diameter (at least as flexible as H01N2-D).
Reaction to fire (CPR)	Outside the scope of EN 50575 (welding cable / flexible connection cable).

DIMENSIONS & TECHNICAL DATA

Nominal c.s.a. (mm ²)	Cond. R @20°C (Ω/km)	Nominal O.D. (mm)	Weight (kg/km)
10	1.91	7	119
16	1.21	8.2	181
25	0.78	9.7	270
35	0.554	11.1	363
50	0.386	13.4	528
70	0.272	15.3	716
95	0.206	17.6	1012
120	0.161	19.4	1248
150	0.129	21.1	1520
185	0.106	22.9	1840

H01N2-E is the reduced-wall, higher-flexibility variant of H01N2-D: same conductor and same EM5 welding rubber, a thinner rubber wall giving a smaller diameter and lower weight. Outer diameters are nominal band midpoints of the leading reference source (sources quote a min..max diameter band, not a single figure); weights are nominal manufacturer values; conductor resistance is the maximum per IEC/EN 60228 class 5 (equal to class 6). All values are indicative and non-binding.