



HEAVY-DUTY 0.6/1 KV RUBBER CABLE

VDE 0250

48 orderable sizes

STANDARD VDE 0250	VOLTAGE CLASS 0.6/1 kV	TEMPERATURE CLASS Heavy-duty flexible service selected by route and load
CONDUCTOR Class 5 flexible copper conductor	INSULATION / JACKET CPE or reinforced heavy-duty rubber sheath	

Construction

- 1 ■ Conductor (per core) – Class 5 flexible copper conductor · 30 × Ø0.25 mm · IEC 60228 cl.5
- 2 ■ Core insulation – EPR heavy-duty rubber insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – CPE or reinforced heavy-duty rubber sheath

Size selection — all available cross-sections

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
NSHOU 0.6/1 kV 1 core 1.5 mm²	Heavy-duty industrial and wet-route power	1 core	1.5 mm ²	12.7 Ω/km	13.3 mm	0.32 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 2.5 mm²	Heavy-duty industrial and wet-route power	1 core	2.5 mm ²	7.6 Ω/km	14.1 mm	0.33 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 4 mm²	Heavy-duty industrial and wet-route power	1 core	4 mm ²	4.7 Ω/km	14.9 mm	0.35 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 6 mm²	Heavy-duty industrial and wet-route power	1 core	6 mm ²	3.1 Ω/km	15.8 mm	0.38 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 10 mm²	Heavy-duty industrial and wet-route power	1 core	10 mm ²	1.83 Ω/km	17.2 mm	0.43 kg/m	8 x OD mobile / 6

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
							x OD fixed guide
NSHOU 0.6/1 kV 1 core 16 mm²	Heavy-duty industrial and wet-route power	1 core	16 mm ²	1.15 Ω/km	18.9 mm	0.51 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 25 mm²	Heavy-duty industrial and wet-route power	1 core	25 mm ²	0.727 Ω/km	20.9 mm	0.63 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 35 mm²	Heavy-duty industrial and wet-route power	1 core	35 mm ²	0.524 Ω/km	22.7 mm	0.75 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 50 mm²	Heavy-duty industrial and wet-route power	1 core	50 mm ²	0.387 Ω/km	25.0 mm	0.95 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 70 mm²	Heavy-duty industrial and wet-route power	1 core	70 mm ²	0.268 Ω/km	27.6 mm	1.21 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 95 mm²	Heavy-duty industrial and wet-route power	1 core	95 mm ²	0.193 Ω/km	30.4 mm	1.53 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 1 core 120 mm²	Heavy-duty industrial and wet-route power	1 core	120 mm ²	0.153 Ω/km	32.8 mm	1.86 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 1.5 mm²	Heavy-duty industrial and wet-route power	3G	1.5 mm ²	12.7 Ω/km	16.3 mm	0.36 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 2.5 mm²	Heavy-duty industrial and wet-route power	3G	2.5 mm ²	7.6 Ω/km	17.0 mm	0.40 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 4 mm²	Heavy-duty industrial and wet-route power	3G	4 mm ²	4.7 Ω/km	17.9 mm	0.46 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 6 mm²	Heavy-duty industrial and wet-route power	3G	6 mm ²	3.1 Ω/km	18.8 mm	0.53 kg/m	8 x OD mobile / 6 x OD fixed guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
NSHOU 0.6/1 kV 3G 10 mm ²	Heavy-duty industrial and wet-route power	3G	10 mm ²	1.83 Ω/km	20.2 mm	0.69 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 16 mm ²	Heavy-duty industrial and wet-route power	3G	16 mm ²	1.15 Ω/km	21.9 mm	0.92 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 25 mm ²	Heavy-duty industrial and wet-route power	3G	25 mm ²	0.727 Ω/km	23.9 mm	1.28 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 35 mm ²	Heavy-duty industrial and wet-route power	3G	35 mm ²	0.524 Ω/km	25.7 mm	1.67 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 50 mm ²	Heavy-duty industrial and wet-route power	3G	50 mm ²	0.387 Ω/km	28.0 mm	2.25 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 70 mm ²	Heavy-duty industrial and wet-route power	3G	70 mm ²	0.268 Ω/km	30.6 mm	3.03 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 95 mm ²	Heavy-duty industrial and wet-route power	3G	95 mm ²	0.193 Ω/km	33.4 mm	4.00 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 3G 120 mm ²	Heavy-duty industrial and wet-route power	3G	120 mm ²	0.153 Ω/km	35.8 mm	4.98 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 1.5 mm ²	Heavy-duty industrial and wet-route power	4G	1.5 mm ²	12.7 Ω/km	16.9 mm	0.38 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 2.5 mm ²	Heavy-duty industrial and wet-route power	4G	2.5 mm ²	7.6 Ω/km	17.7 mm	0.43 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 4 mm ²	Heavy-duty industrial and wet-route power	4G	4 mm ²	4.7 Ω/km	18.5 mm	0.51 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 6 mm ²	Heavy-duty industrial and wet-route power	4G	6 mm ²	3.1 Ω/km	19.4 mm	0.61 kg/m	8 x OD mobile / 6 x OD fixed guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
NSHOU 0.6/1 kV 4G 10 mm ²	Heavy-duty industrial and wet-route power	4G	10 mm ²	1.83 Ω/km	20.8 mm	0.82 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 16 mm ²	Heavy-duty industrial and wet-route power	4G	16 mm ²	1.15 Ω/km	22.5 mm	1.13 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 25 mm ²	Heavy-duty industrial and wet-route power	4G	25 mm ²	0.727 Ω/km	24.5 mm	1.60 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 35 mm ²	Heavy-duty industrial and wet-route power	4G	35 mm ²	0.524 Ω/km	26.3 mm	2.12 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 50 mm ²	Heavy-duty industrial and wet-route power	4G	50 mm ²	0.387 Ω/km	28.6 mm	2.90 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 70 mm ²	Heavy-duty industrial and wet-route power	4G	70 mm ²	0.268 Ω/km	31.2 mm	3.94 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 95 mm ²	Heavy-duty industrial and wet-route power	4G	95 mm ²	0.193 Ω/km	34.0 mm	5.24 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 4G 120 mm ²	Heavy-duty industrial and wet-route power	4G	120 mm ²	0.153 Ω/km	36.4 mm	6.54 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 1.5 mm ²	Heavy-duty industrial and wet-route power	5G	1.5 mm ²	12.7 Ω/km	17.5 mm	0.40 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 2.5 mm ²	Heavy-duty industrial and wet-route power	5G	2.5 mm ²	7.6 Ω/km	18.2 mm	0.46 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 4 mm ²	Heavy-duty industrial and wet-route power	5G	4 mm ²	4.7 Ω/km	19.1 mm	0.56 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 6 mm ²	Heavy-duty industrial and wet-route power	5G	6 mm ²	3.1 Ω/km	20.0 mm	0.69 kg/m	8 x OD mobile / 6 x OD fixed guide

Cable reference	Service duty	Core design	Conductor size	Max DC resistance at 20 °C	OD guide	Cable weight	Bend radius
NSHOU 0.6/1 kV 5G 10 mm²	Heavy-duty industrial and wet-route power	5G	10 mm ²	1.83 Ω/km	21.4 mm	0.95 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 16 mm²	Heavy-duty industrial and wet-route power	5G	16 mm ²	1.15 Ω/km	23.1 mm	1.34 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 25 mm²	Heavy-duty industrial and wet-route power	5G	25 mm ²	0.727 Ω/km	25.1 mm	1.93 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 35 mm²	Heavy-duty industrial and wet-route power	5G	35 mm ²	0.524 Ω/km	26.9 mm	2.58 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 50 mm²	Heavy-duty industrial and wet-route power	5G	50 mm ²	0.387 Ω/km	29.2 mm	3.55 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 70 mm²	Heavy-duty industrial and wet-route power	5G	70 mm ²	0.268 Ω/km	31.8 mm	4.85 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 95 mm²	Heavy-duty industrial and wet-route power	5G	95 mm ²	0.193 Ω/km	34.6 mm	6.47 kg/m	8 x OD mobile / 6 x OD fixed guide
NSHOU 0.6/1 kV 5G 120 mm²	Heavy-duty industrial and wet-route power	5G	120 mm ²	0.153 Ω/km	37.0 mm	8.10 kg/m	8 x OD mobile / 6 x OD fixed guide