



HELUKABEL <VDE> 0276 NYCY 0,6/1 kV



Technical data

- Power and control cable to DIN VDE 0276 part 603, HD 603 S1 and IEC 60502 7 cores and above to DIN VDE 0276 part 627, HD 627 S1 and IEC 60502
- **Temperature range**
flexing -5°C to +50°C
fixed installation -40°C to +70°C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage** 4 kV
- Max. permissible **tensile stress** with cable grip for Cu-conductor = 50 N/mm²
- **Minimum bending radius**
for single core approx. 15x cable Ø
for multi core approx. 12x cable Ø
- **Power ratings table**
see Technical Informations
- **Caloric load values**
see Technical Informations

Cable construction

- Plain copper solid conductor as per VDE 0295 cl. 1, BS 6360 cl. 1, IEC 60228 and HD 383
- PVC core insulation, DIV4 to HD 603.1
- Colour coded to VDE 0293-308 and HD 186
- Cores stranded concentrically
- Filling compound
- Concentric conductor in inner layer of round copper wires, outer layer with copper tape
- PVC outer sheath, DMV5 to HD 603.1
- Sheath colour black

Properties

- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Highest permissible voltage

- Direct current systems 1,8 kV
- Alternating current systems, single-phase systems 1,4 kV
Both conductors insulated, single-phase systems 0,7 kV
One conductor earthed, three-phase systems 1,2 kV
With concentric conductor and a cross-section of 240 mm² and above 3,6 kV

Note

- re = round solid core.
- Available with outer sheath in alternative colours on request.

Application

Power cables for energy supply are used for industry and distribution boards, power stations, house connecting boxes and street lighting as well as control cable for the transmission of control impulses and test datas.
Overall, where increased electrical and also mechanical protection are required.
Those cables are installed in open air, in underground, in water, indoors and in cable ducts.
The concentric conductor (C) is allowed to use as PE-, PEN-conductor or as screen.

Part No.	No. cores x cross-sec. mm ²		Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
32200	1 x 10	re / 10	11,0	216,0	280,0	8
32201	1 x 16	re / 16	12,0	336,0	440,0	6
32202	2 x 1,5	re / 1,5	13,0	52,0	205,0	16
32203	2 x 2,5	re / 2,5	13,5	80,0	270,0	14
32204	2 x 4	re / 4	15,5	123,0	360,0	12
32205	2 x 6	re / 6	17,0	182,0	435,0	10
32206	2 x 10	re / 10	19,5	312,0	590,0	8
32207	2 x 16	re / 16	20,5	489,0	820,0	6
32208	3 x 1,5	re / 1,5	13,5	66,0	225,0	16
32209	3 x 2,5	re / 2,5	14,5	104,0	290,0	14
32210	3 x 4	re / 4	16,5	161,0	400,0	12
32211	3 x 6	re / 6	17,5	240,0	510,0	10
32212	3 x 10	re / 10	20,0	408,0	850,0	8
32213	3 x 16	re / 16	23,0	643,0	1080,0	6
32214	4 x 1,5	re / 1,5	14,5	81,0	260,0	16
32215	4 x 2,5	re / 2,5	15,5	128,0	350,0	14
32216	4 x 4	re / 4	17,0	200,0	470,0	12
32217	4 x 6	re / 6	18,5	297,0	590,0	10
32218	4 x 10	re / 10	21,0	504,0	900,0	8
32219	4 x 16	re / 16	23,0	796,0	1250,0	6

Dimensions and specifications may be changed without prior notice.

Continuation ►

Part No.	No. cores x cross-sec. mm²		Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
32220	5 x 1,5	re / 1,5	15,0	95,0	330,0	16
32221	5 x 2,5	re / 2,5	16,0	152,0	400,0	14
32222	5 x 4	re / 4	19,0	238,0	560,0	12
32223	5 x 6	re / 6	21,0	355,0	710,0	10
32224	5 x 10	re / 10	23,0	600,0	1000,0	8
32226	7 x 1,5	re / 1,5	15,0	124,0	320,0	16
32227	7 x 1,5	re / 2,5	16,0	133,0	350,0	16
32241	7 x 2,5	re / 2,5	17,5	200,0	450,0	14
32225	7 x 4	re / 4	21,0	315,0	670,0	12
32255	7 x 6	re / 6	24,0	470,0	790,0	10
32228	8 x 1,5	re / 1,5	17,0	138,0	380,0	16
32229	8 x 1,5	re / 2,5	17,0	147,0	400,0	16
32242	8 x 2,5	re / 2,5	18,0	224,0	510,0	14
32230	10 x 1,5	re / 2,5	19,0	176,0	440,0	16
32243	10 x 2,5	re / 4	20,5	286,0	600,0	14
32231	12 x 1,5	re / 2,5	20,0	205,0	500,0	16
32244	12 x 2,5	re / 4	21,0	334,0	660,0	14
32232	14 x 1,5	re / 2,5	20,5	234,0	540,0	16
32245	14 x 2,5	re / 4	22,0	382,0	760,0	14
32246	14 x 2,5	re / 6	22,5	403,0	800,0	14
32233	16 x 1,5	re / 4	22,0	276,0	600,0	16
32247	16 x 2,5	re / 6	23,0	451,0	910,0	14
32234	19 x 1,5	re / 4	23,0	320,0	690,0	16
32248	19 x 2,5	re / 6	23,5	523,0	950,0	14
32235	21 x 1,5	re / 6	24,0	369,0	810,0	16
32249	21 x 2,5	re / 10	26,0	571,0	1100,0	14
32236	24 x 1,5	re / 6	26,0	413,0	860,0	16
32250	24 x 2,5	re / 10	28,0	696,0	1300,0	14
32237	30 x 1,5	re / 6	27,0	499,0	1230,0	16
32251	30 x 2,5	re / 10	30,0	840,0	1610,0	14
32238	40 x 1,5	re / 10	30,0	696,0	1590,0	16
32252	40 x 2,5	re / 10	35,0	1080,0	2100,0	14
32239	52 x 1,5	re / 10	32,0	869,0	1820,0	16
32253	52 x 2,5	re / 10	38,0	1368,0	2500,0	14
32240	61 x 1,5	re / 10	33,0	998,0	2000,0	16
32254	61 x 2,5	re / 10	40,0	1584,0	2850,0	14

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