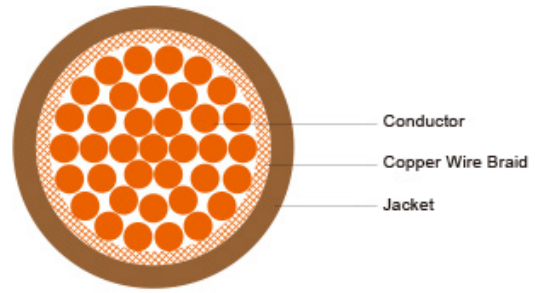


German Standard Industrial Cables H00V-D



Application and Description

These high flexible earthed conductors are used for earthing of portable equipment and short circuiting. These cables perform a protective function in the live repair of high voltage power supply in railway systems, failing current equipment, alternating current systems and in networks of transmission and distribution. Because of that these are designated as safety cables. These earthing cables offer special characteristics with low weights, high flexibility to a wide temperature range and the behavior in high temperature. The protective overall PVC jacket assures essential function for proper protection against mechanical and chemical stresses.

Standard and Approval

N61138, VDE-0283 Part-3, DIN 46438 & DIN 46440, CE low voltage directive 73/23/EEC & 93/68/EEC., ROHS compliant

Cable Construction

- Extra fine bare copper strands
- Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
- Overall bare copper wire braid (for ESUY type)
- PVC transparent jacket TM2
- High stress resistance
- Spark Test 6, 4 & 2 AWG: 5000V
- Spark Test 1 & 2/0 AWG: 6000V
- Spark Test 3/0 - 500 MCM: 8000V

Technical Characteristics

- Working voltage: N/A - earthing cables only
- Test voltage: 2000 volts
- Minimal bending radius: 12.0 x Ø
- Temperature range: -5° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cable Parameter

H00V-D (ESEU TYPE)

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	NOMINAL COPPER WEIGHT KG/KM	NOMINAL WEIGHT KG/KM
6(4200/41)	1 x 16	9.1	194	230
4(3192/38)	1 x 25	10.5	280	335
2(4480/38)	1 x 35	12.5	415	475
1(6383/38)	1 x 50	14.2	585	670

2/0(8918/38)	1 x 70	16.8	820	905
3/0(12100/38)	1 x 95	19.8	1090	1220
4/0(15300/38)	1 x 120	21.5	1360	1505
300MCM(19152/38)	1 x 150	24	1650	1940
350MCM(23580/38)	1 x 185	27.6	2150	2390
500MCM(30600/38)	1 x 240	31	2750	3090

H00V-D (ESY TYPE)

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	NOMINAL COPPER WEIGHT KG/KM	NOMINAL WEIGHT KG/KM
6(525/32)	1 x 16	8.5	155	185
4(798/32)	1 x 25	10.0	240	270
2(1120/32)	1 x 35	12.5	336	390
1(1617/32)	1 x 50	14.0	480	575
2/0(2254/32)	1 x 70	17.2	672	810
3/0(3087/32)	1 x 95	19.5	912	1080
4/0(3822/32)	1 x 120	22.8	1152	1320
300MCM(4802/32)	1 x 150	25.4	1440	1680