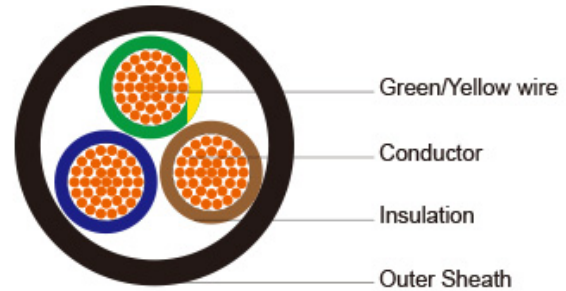


German Standard Industrial Cables H05RR-F



Application and Description

These cables are flexible rubber insulated; rubber jacketed harmonized cord, recommended for use in equipment, which is subject to light and medium stresses in both dry and damp environments. For use with electronics and electrical equipment such as appliances, small hand tools and office equipment. They can be found in flat irons, soldering irons, kitchen aids, toasters, stoves and in connections with light commercial electric tools. Also suitable for fixed installation in furniture, decorative coverings, wall partitions and prefabricated building parts. Max operating voltage in single or three phase system is U_0/U 300/500 volts. In a direct current system max operating voltage is U_0/U 413/825 volts. Outdoor use is permitted only for a short time. They are ozone resistant, oil & fat resistant.

Standard and Approval

HD22.4 S3, VDE-0282 Part-4, CEI 20-19/4 / 20-35 (EN60332-1), CE low voltage directive 73/23/EEC & 93/68/EEC., IEC 60245-4, ROHS compliant

Cable Construction

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Rubber core insulation EI4 to VDE-0282 Part-1
- Color code VDE-0293-308 and HD 186
- Green-yellow grounding, 3 conductors and above
- Polychloroprene rubber (neoprene) jacket EM3

Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: $8 \times \varnothing$
- Fixed bending radius: $6 \times \varnothing$
- Temperature range: -30°C to $+60^\circ \text{C}$
- Short circuit temperature: $+200^\circ \text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $20 \text{ M}\Omega \times \text{km}$

Cable Parameter

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM^2	NOMINAL THICKNESS OF INSULATION M	NOMINAL THICKNESS OF SHEATH M	NOMINAL OVERALL DIAMETER M MIN-MAX	NOMINAL COPPER WEIGHT KG/K M	NOMINAL WEIGHT KG/K M
18(24/32)	2 x 0.75	0.6	0.8	5.7-7.4	14.4	61

18(24/32)	3 x 0.75	0.6	0.9	6.2-8.1	21.6	75
18(24/32)	4 x 0.75	0.6	0.9	6.8-8.8	28.8	94
18(24/32)	5 x 0.75	0.6	1.0	7.6-9.9	36.0	110
17(32/32)	2 x 1	0.6	0.9	6.1-8.0	19.0	73
17(32/32)	3 x 1	0.6	0.9	6.5-8.5	29.0	86
17(32/32)	4 x 1	0.6	0.9	7.1-9.3	38.4	105
17(32/32)	5 x 1	0.6	1.0	8.0-10.3	48.0	130
16(30/30)	2 x 1.5	0.8	1.0	7.6-9.8	29.0	115
16(30/30)	3 x 1.5	0.8	1.0	8.0-10.4	43.0	135
16(30/30)	4 x 1.5	0.8	1.1	9.0-11.6	58.0	165
16(30/30)	5 x 1.5	0.8	1.1	9.8-12.7	72.0	190
14(50/30)	2 x 2.5	0.9	1.1	9.0-11.6	48.0	160
14(50/30)	3 x 2.5	0.9	1.1	9.6-12.4	72.0	191
14(50/30)	4 x 2.5	0.9	1.2	10.7-13.8	96.0	235
14(50/30)	5 x 2.5	0.9	1.3	11.9-15.3	120.0	285