



(H)05 Z1Z1-F¹⁾ halogen-free

new



Technical data

- flexible halogen-free control cable according E DIN VDE 0281 part 14 pr HD 21.14 S1
- **Temperature range**
+5°C to +40°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage** 2500 V
- **Minimum bending radius**
15x cable Ø
- **Radiation resistance**
up to 20x10⁶ cJ/kg (up to 20 Mrad)
- **Tests**
Tested for flame retardation to VDE 0482 part 265-2-1, EN 50265-2-1 (equivalent to VDE 0472 part 804 test method B)
- Smoke density to VDE 0482 part 268-2
- Halogen-free to HD 21.14 appendix C

Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, IEC 60228 cl. 5 and HD 383
- Insulating jacket thermoplastic compound, T16 according DIN VDE 0281 part 14, appendix A
- Core identification according to DIN VDE 0293
- Green-yellow earth core (3 cores and above)
- Cores stranded with optimal lay-length
- Outer sheath, thermoplastic compound, TM7 according DIN VDE 0281 part 14, appendix B
- Jacket colour by request

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.

Application

These cables may be used when halogen-free, low smoke and corrosive gas properties are required in case of fire. For moderate mechanical demands in the house, kitchen and office, for house equipment in damp rooms (for example: washing machines, spin-dryers and refrigerators.) Suitable for cooking and heating equipment, providing the cable is not in contact with hot components or heat radiation. Not suitable for: In high temperature areas (for example, in lighting equipment) Outside buildings In industrial or agricultural buildings Connection of electrical power tools

¹⁾ VDE registration number requested.

²⁾ Draft

CE = The product is conformed with the EG Low Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
3027	2x0,75	6,2	14,4	58	18
3028	3G0,75	6,6	21,6	68	18
3029	4G0,75	7,1	29,0	81	18
3030	5G0,75	8,0	36,0	102	18
3031	2x1	6,6	19,0	67	17
3032	3G1	6,9	29,0	81	17
3034	4G1	7,7	38,0	101	17
3035	5G1	8,4	48,0	107	17
3036	2x1,5	7,4	29,0	87	16
3037	3G1,5	8,1	43,0	109	16
3038	4G1,5	9,0	58,0	117	16
3039	5G1,5	10,0	72,0	169	16

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
3040	2x2,5	9,3	48,0	138	14
3041	3G2,5	10,1	72,0	172	14
3042	4G2,5	11,0	96,0	210	14
3043	5G2,5	12,3	120,0	260	14
3044	2x4	10,6	76,8	190	12
3045	3G4	11,5	115,2	242	12
3046	4G4	12,5	153,6	298	12
3047	5G4	14,1	192,0	371	12

G = with green-yellow earth core
X = without green-yellow earth core

ca. RAL	9005 black	9003 white	5015 blue	6018 green	8003 brown	1021 yellow	3000 red	2003 orange	4005 violet	7001/7032 grey
Colour code	0	1	2	3	4	5	6	7	8	9

*) Note

AWG sizes are approximate equivalent values.
The actual cross-section is in mm² – see page T 15.

Please add the individual part no. for order with the identification colour code.
Further colours on request.