



Technical data

- Special data cable
- **Temperature range**
flexing +5°C to +70°C
fixed installation -40°C to +70°C
- **Nominal voltage**
0,14 mm² = 350 V
>0,14 mm² = 500 V
- **Test voltage**
0,14 mm² = 800 V
>0,14 mm² = 1200 V
- **Insulation resistance**
min. 2 GOhm x km
- **Capacitance**
core/core <70 nF/km
- **Minimum bending radius**
approx. 7,5x cable Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable construction

- Bare copper, fine wire conductors to DIN VDE 0812, conductor make-up for 0,34 mm² - 7x0,25 mm
- PE-insulation, compound type 2YJ1 to DIN VDE 0207 part 2
- Cores colour coded to DIN 47100
- Cores twisted in layers with optimal lay-length
- Halogen-free outer sheath, to DIN VDE 0207 part 24, compound type HM2
- Sheath colour grey, RAL 7005

Properties

- Halogen-free according to DIN VDE 0482 part 267/ EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815)
- Corrosiveness of combustion gases according to DIN VDE 0482 part 267/ EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- Halogen-free sheath compound, 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)

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

DATAFLAMM halogen-free data cables are used as connecting cable for signal, measuring, control, call-announcing and two-way intercom speaking systems, clock installations, electronic weighing equipment and electrical apparatus for office requirements. The cables are suitable for installation in dry, damp and wet environments as well as in masonry and concrete.

PE-insulated-cores, compared with the conventional PVC-insulated cores, assure a remarkable and more favourable capacitance values. These cables are generally installed in telecommunication apparatus and data transmission systems in public buildings, laboratories, trading centres where the freedom from halogen in case of fire and the flame propagation must be avoided.

The halogen-free thermoplastic sheath produce neither corrosive nor toxic gases.

CE = The product is conformed with the EC 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.	Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
52300	2 x 0,14	3,3	2,6	14,0	26	52330	4 x 0,34	4,8	13,0	35,0	22
52301	3 x 0,14	3,5	4,0	17,0	26	52331	5 x 0,34	5,3	16,4	43,0	22
52302	4 x 0,14	3,7	5,3	19,0	26	52332	7 x 0,34	6,0	22,7	58,0	22
52303	5 x 0,14	4,1	6,6	23,0	26	52333	10 x 0,34	7,7	32,4	80,0	22
52304	6 x 0,14	4,2	7,9	25,0	26	52334	12 x 0,34	8,0	39,1	91,0	22
52305	7 x 0,14	4,4	9,2	27,0	26	52335	15 x 0,34	8,8	49,1	115,0	22
52306	8 x 0,14	4,8	10,3	30,0	26	52336	18 x 0,34	9,6	59,1	135,0	22
52307	10 x 0,14	5,5	13,2	38,0	26	52337	21 x 0,34	10,4	68,5	154,0	22
52308	12 x 0,14	6,0	16,0	45,0	26	52338	25 x 0,34	11,4	81,4	180,0	22
52309	15 x 0,14	6,5	20,1	57,0	26	52339	34 x 0,34	12,8	111,1	233,0	22
52310	18 x 0,14	7,0	23,7	65,0	26	52340	40 x 0,34	13,7	130,5	272,0	22
52311	21 x 0,14	7,8	27,9	76,0	26						
52312	25 x 0,14	8,3	33,4	88,0	26	52341	2 x 0,5	4,5	9,5	30,0	20
52313	30 x 0,14	8,8	39,3	98,0	26	52342	3 x 0,5	4,8	14,2	36,0	20
52314	34 x 0,14	9,2	45,5	111,0	26	52343	4 x 0,5	5,2	19,2	43,0	20
52315	40 x 0,14	10,4	53,6	139,0	26	52344	5 x 0,5	6,0	24,0	56,0	20
52316	50 x 0,14	12,5	64,9	176,0	26	52345	7 x 0,5	6,4	33,7	70,0	20
						52346	10 x 0,5	8,3	48,0	101,0	20
52317	2 x 0,25	3,6	4,7	18,0	24	52347	12 x 0,5	8,6	57,4	117,0	20
52318	3 x 0,25	3,8	7,1	21,0	24	52348	15 x 0,5	9,5	72,0	145,0	20
52319	4 x 0,25	4,1	9,5	26,0	24	52349	18 x 0,5	10,5	86,4	171,0	20
52320	5 x 0,25	4,5	12,0	31,0	24	52350	21 x 0,5	11,3	101,0	197,0	20
52321	7 x 0,25	5,0	16,6	40,0	24	52351	25 x 0,5	12,4	120,0	230,0	20
52322	10 x 0,25	6,3	24,0	56,0	24	52352	30 x 0,5	13,1	142,6	269,0	20
52323	12 x 0,25	6,5	28,6	64,0	24	52353	34 x 0,5	13,8	163,1	301,0	20
52324	15 x 0,25	7,3	36,0	80,0	24	52354	40 x 0,5	15,2	192,0	365,0	20
52430	18 x 0,25	7,9	43,2	90,0	24						
52431	21 x 0,25	8,6	50,4	105,0	24	52355	2 x 0,75	5,2	14,3	40,0	18
52525	25 x 0,25	9,2	59,8	121,0	24	52356	3 x 0,75	5,5	21,5	51,0	18
52326	34 x 0,25	10,8	81,3	168,0	24	52357	4 x 0,75	6,1	28,6	61,0	18
52327	40 x 0,25	11,4	96,0	196,0	24	52358	5 x 0,75	6,7	36,1	76,0	18
						52359	7 x 0,75	7,3	50,3	97,0	18
52328	2 x 0,34	4,3	6,4	25,0	22	52360	10 x 0,75	9,5	72,0	137,0	18
52329	3 x 0,34	4,5	9,7	30,0	22	52361	12 x 0,75	10,2	86,2	167,0	18

Dimensions and specifications may be changed without prior notice.