

DATAFLAMM-C EMC-preferred type, halogen-free, screened, meter marking



B

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
- **Coupling resistance**
max. 250 Ohm/km
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- 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
- Core wrapping with polyester (PETP) foil
- Tinned copper screened braiding, approx. 85% coverage
- Halogen-free outer sheath, to DIN VDE 0207 part 24, compound type HM2
- Sheath colour grey (RAL 7005)
- with meter marking, change-over in 2009

Properties

- Halogen-free according to VDE 0482 part 267/ DIN EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815)
- Corrosiveness of combustion gases according to VDE 0482 part 267/ DIN EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- Halogen-free sheath compound, self-extinguishing and flame retardant according to VDE 0482 part 265-2-1/ DIN EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- PE-insulated cores, compared with the conventional PVC-insulated cores, assure a remarkable and more favourable capacitance values
- The halogen-free thermoplastic sheath produce neither corrosive nor toxic gases

Note

- **unscreened analogue type:**
DATAFLAMM confer page B 8

Application

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. 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. With screened braiding offers interference-free signal transfer.

CE – The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part No.	No. cores x cross-sec. mm ²	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
52365	2 x 0,14	3,8	12,4	21,0	26	52398	4 x 0,34	5,7	24,5	47,0	22
52366	3 x 0,14	4,0	14,0	25,0	26	52399	5 x 0,34	6,2	30,0	58,0	22
52367	4 x 0,14	4,2	15,8	26,0	26	52400	7 x 0,34	7,1	38,2	76,0	22
52368	5 x 0,14	4,6	19,5	32,0	26	52401	10 x 0,34	8,5	62,2	110,0	22
52369	7 x 0,14	5,1	23,4	39,0	26	52402	12 x 0,34	9,1	69,4	123,0	22
52370	10 x 0,14	6,4	28,4	54,0	26	52403	14 x 0,34	9,4	82,1	140,0	22
52371	12 x 0,14	6,8	31,4	69,0	26	52404	16 x 0,34	9,9	95,0	157,0	22
52372	14 x 0,14	7,0	37,5	76,0	26	52405	18 x 0,34	10,4	107,3	172,0	22
52373	16 x 0,14	7,2	43,4	82,0	26	52406	21 x 0,34	11,3	122,4	195,0	22
52374	18 x 0,14	7,4	51,4	90,0	26	52407	25 x 0,34	12,2	142,2	226,0	22
52375	21 x 0,14	8,3	61,8	102,0	26	52408	30 x 0,34	13,1	162,6	261,0	22
52376	25 x 0,14	9,4	76,0	121,0	26	52409	34 x 0,34	13,9	178,9	285,0	22
52377	30 x 0,14	9,9	92,7	146,0	26	52410	40 x 0,34	14,8	203,3	330,0	22
52378	34 x 0,14	10,4	121,0	167,0	26						
52379	40 x 0,14	11,0	126,1	170,0	26						
52380	2 x 0,25	4,5	14,6	23,0	24	52411	2 x 0,5	5,4	23,0	37,0	20
52381	3 x 0,25	4,7	17,0	28,0	24	52412	3 x 0,5	5,7	30,0	46,0	20
52382	4 x 0,25	4,8	20,6	34,0	24	52413	4 x 0,5	6,4	35,3	57,0	20
52384	5 x 0,25	5,2	24,7	42,0	24	52414	5 x 0,5	7,1	52,5	77,0	20
52385	7 x 0,25	5,6	31,2	49,0	24	52415	7 x 0,5	7,4	65,3	92,0	20
52386	10 x 0,25	7,2	42,1	81,0	24	52416	10 x 0,5	9,4	88,7	135,0	20
52387	12 x 0,25	7,4	47,5	88,0	24	52417	12 x 0,5	9,7	98,7	148,0	20
52388	14 x 0,25	7,9	52,7	100,0	24	52418	18 x 0,5	11,1	141,2	210,0	20
52389	16 x 0,25	8,5	58,1	113,0	24	52419	21 x 0,5	12,2	161,0	242,0	20
52390	18 x 0,25	9,0	78,0	126,0	24	52420	25 x 0,5	13,5	187,2	285,0	20
52391	21 x 0,25	9,5	94,3	144,0	24	52421	30 x 0,5	14,5	223,2	340,0	20
52392	25 x 0,25	10,3	116,5	164,0	24	52422	40 x 0,5	16,5	294,9	445,0	20
52393	30 x 0,25	11,0	132,2	191,0	24						
52394	34 x 0,25	11,7	144,6	214,0	24	52423	2 x 0,75	5,9	30,6	45,0	18
52395	40 x 0,25	12,5	163,3	245,0	24	52424	3 x 0,75	6,5	38,1	60,0	18
52396	2 x 0,34	5,0	16,9	31,0	22	52425	4 x 0,75	7,1	58,0	80,0	18
52397	3 x 0,34	5,3	20,6	38,0	22	52426	5 x 0,75	7,6	68,4	97,0	18
						52427	7 x 0,75	8,5	88,4	127,0	18
						52428	10 x 0,75	10,5	122,5	175,0	18
						52429	12 x 0,75	11,2	137,2	196,0	18

Dimensions and specifications may be changed without prior notice. (RB01)