

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



HELUKABEL DATAFLAMM-C 3x0,5 QMM / 52412 500 V 001042623 CE



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 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
- 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)

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)
- 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

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.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the cooper braiding on both ends.

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.
52365	2 x 0,14	3,8	12,4	21,0	26
52366	3 x 0,14	4,0	14,0	25,0	26
52367	4 x 0,14	4,2	15,8	26,0	26
52368	5 x 0,14	4,6	19,5	32,0	26
52369	7 x 0,14	5,1	23,4	39,0	26
52370	10 x 0,14	6,4	28,4	54,0	26
52371	12 x 0,14	6,8	31,4	69,0	26
52372	14 x 0,14	7,0	37,5	76,0	26
52373	16 x 0,14	7,2	43,4	82,0	26
52374	18 x 0,14	7,7	51,4	90,0	26
52375	21 x 0,14	8,3	61,8	102,0	26
52376	25 x 0,14	9,4	76,0	121,0	26
52377	30 x 0,14	9,9	92,7	146,0	26
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	4,4	14,6	23,0	24
52381	3 x 0,25	4,5	17,0	28,0	24
52382	4 x 0,25	4,6	20,6	34,0	24
52384	5 x 0,25	5,2	24,7	42,0	24
52385	7 x 0,25	5,6	31,2	49,0	24
52386	10 x 0,25	7,2	42,1	81,0	24
52387	12 x 0,25	7,4	47,5	88,0	24
52388	14 x 0,25	7,9	52,7	100,0	24
52389	16 x 0,25	8,5	58,1	113,0	24
52390	18 x 0,25	9,0	78,0	126,0	24
52391	21 x 0,25	9,5	94,3	144,0	24
52392	25 x 0,25	10,3	116,5	164,0	24
52393	30 x 0,25	11,0	132,2	191,0	24
52394	34 x 0,25	11,7	144,6	214,0	24
52395	40 x 0,25	12,5	163,3	245,0	24
52396	2 x 0,34	4,9	16,9	31,0	22
52397	3 x 0,34	5,1	20,6	38,0	22

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
52398	4 x 0,34	5,5	24,5	47,0	22
52399	5 x 0,34	6,2	30,0	58,0	22
52400	7 x 0,34	6,9	38,2	76,0	22
52401	10 x 0,34	8,9	62,2	110,0	22
52402	12 x 0,34	9,1	69,4	123,0	22
52403	14 x 0,34	9,4	82,1	140,0	22
52404	16 x 0,34	9,9	95,0	157,0	22
52405	18 x 0,34	10,4	107,3	172,0	22
52406	21 x 0,34	11,3	122,4	195,0	22
52407	25 x 0,34	12,5	142,2	226,0	22
52408	30 x 0,34	13,1	162,6	261,0	22
52409	34 x 0,34	13,9	178,9	285,0	22
52410	40 x 0,34	14,8	203,3	330,0	22
52411	2 x 0,5	5,2	23,0	37,0	20
52412	3 x 0,5	5,5	30,0	46,0	20
52413	4 x 0,5	6,1	35,3	57,0	20
52414	5 x 0,5	6,9	52,5	77,0	20
52415	7 x 0,5	7,3	65,3	92,0	20
52416	10 x 0,5	9,4	88,7	135,0	20
52417	12 x 0,5	9,7	98,7	148,0	20
52418	18 x 0,5	11,1	141,2	210,0	20
52419	21 x 0,5	12,2	161,0	242,0	20
52420	25 x 0,5	13,5	187,2	285,0	20
52421	30 x 0,5	14,5	223,2	340,0	20
52422	40 x 0,5	16,5	294,9	445,0	20
52423	2 x 0,75	5,9	30,6	45,0	18
52424	3 x 0,75	6,3	38,1	60,0	18
52425	4 x 0,75	7,1	58,0	80,0	18
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.