

PAAR-LiYY

Flexible paired cables, color coded according to DIN 47100



Cable structure

- Stranded bare copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- Special PVC core insulation according to DIN VDE 0207 part 4
- Color coded cores according to DIN 47100
- Cores stranded in pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- Core wrapping with foil
- Outer jacket of special PVC according to DIN VDE 0207 part 5, color grey, extensively oil resistant
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Twisted pair data PVC cables, requirements adapted to DIN VDE 0812, 0814
- **Temperature range:** flexing from -5 °C to +70 °C
fixed from -30 °C to +80 °C
- **Nominal voltage** 250 V (not suitable for power installation)
- **Test voltage a.c.** 1200 V
- **Insulation resistance** min. 200 M Ω \times km (approx. value) při 800 Hz
- **Capacitance** 120 pF/m for 0,14 mm²
150 pF/m for \geq 0,25 mm²
0,65 mH/km
- **Inductance** (approx. value) 78 Ω
- **Impedance** (approx. value) approx. 7,5 \times cable diameter
- **Minimum bending radius** approx. 7,5 \times cable diameter
- **Radiation resistance** up to 80 \times 10⁶ cJ/kg (up to 80 Mrad)

Application

The data control cables are used for flexible connection with free movement, but without tensile stress or forced movements in dry, moist and wet areas, but are not suitable for open air use. PAAR-LiYY cables are ideal for use in areas where a small cable diameter is essential. Such areas include measuring tools, computers or signal transfer. PAAR-LiYY cables are suitable for low load applications only.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.
Conforms to RoHS.
Other sizes available on request.

Part No.	Number of cores \times core cross-section [mm ²]	Approx. outer \varnothing [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0119001	1 \times 2 \times 0,14	3,7	2,7	20
0119002	2 \times 2 \times 0,14	5,1	5,4	25
0119003	3 \times 2 \times 0,14	5,5	8,0	31
0119004	4 \times 2 \times 0,14	5,7	10,7	38
0119005	5 \times 2 \times 0,14	6,4	13,4	45
0119006	6 \times 2 \times 0,14	7,2	16,1	50
0119007	7 \times 2 \times 0,14	7,2	18,8	57
0119008	8 \times 2 \times 0,14	7,6	21,5	64
0119009	10 \times 2 \times 0,14	8,2	26,9	78
0119010	11 \times 2 \times 0,14	8,8	29,5	86
0119011	12 \times 2 \times 0,14	9,1	32,3	94
0119012	14 \times 2 \times 0,14	9,6	37,6	105
0119013	15 \times 2 \times 0,14	9,8	40,3	108
0119014	16 \times 2 \times 0,14	10,2	43,0	110
0119015	18 \times 2 \times 0,14	10,5	48,4	119
0119016	20 \times 2 \times 0,14	10,7	54,0	130
0119017	22 \times 2 \times 0,14	10,9	59,0	150
0119018	24 \times 2 \times 0,14	12,0	65,0	170
0119019	25 \times 2 \times 0,14	12,4	67,0	180
0119020	26 \times 2 \times 0,14	12,4	70,0	184
0119021	27 \times 2 \times 0,14	12,6	73,0	188
0119022	28 \times 2 \times 0,14	12,8	75,0	192
0119023	30 \times 2 \times 0,14	13,4	81,0	200
0119024	32 \times 2 \times 0,14	13,6	86,0	224
0119025	34 \times 2 \times 0,14	13,9	91,0	247
0119026	36 \times 2 \times 0,14	14,2	97,0	260
0119027	38 \times 2 \times 0,14	14,4	102,0	272
0119028	40 \times 2 \times 0,14	14,8	108,0	294
0119029	44 \times 2 \times 0,14	15,5	118,0	334
0119030	46 \times 2 \times 0,14	15,8	128,0	345
0119031	50 \times 2 \times 0,14	16,6	134,0	387
0119032	52 \times 2 \times 0,14	17,3	140,0	403
0119033	55 \times 2 \times 0,14	17,8	148,0	427

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0119034	1 \times 2 \times 0,25	4,0	5,0	32
0119035	2 \times 2 \times 0,25	5,4	10,0	37
0119036	3 \times 2 \times 0,25	5,8	15,0	47
0119037	4 \times 2 \times 0,25	6,4	20,0	58
0119038	5 \times 2 \times 0,25	7,2	25,0	70
0119039	6 \times 2 \times 0,25	8,0	30,0	80
0119040	7 \times 2 \times 0,25	8,0	35,0	89
0119041	8 \times 2 \times 0,25	8,7	40,0	99
0119042	10 \times 2 \times 0,25	9,7	50,0	114
0119043	11 \times 2 \times 0,25	10,2	55,0	126
0119044	12 \times 2 \times 0,25	10,6	60,0	137
0119045	14 \times 2 \times 0,25	11,2	70,0	161
0119046	15 \times 2 \times 0,25	11,8	75,0	174
0119047	16 \times 2 \times 0,25	12,2	80,0	187
0119048	18 \times 2 \times 0,25	12,5	90,0	212
0119049	20 \times 2 \times 0,25	13,3	100,0	234
0119050	22 \times 2 \times 0,25	13,7	110,0	250
0119051	24 \times 2 \times 0,25	14,4	120,0	280
0119052	25 \times 2 \times 0,25	15,3	125,0	300
0119053	26 \times 2 \times 0,25	15,3	130,0	320
0119054	27 \times 2 \times 0,25	15,4	135,0	330
0119055	28 \times 2 \times 0,25	15,5	140,0	345
0119056	30 \times 2 \times 0,25	16,0	150,0	370
0119057	32 \times 2 \times 0,25	16,3	160,0	410
0119058	34 \times 2 \times 0,25	16,9	170,0	425
0119059	36 \times 2 \times 0,25	17,1	180,0	440
0119060	38 \times 2 \times 0,25	17,2	190,0	480
0119061	40 \times 2 \times 0,25	17,2	200,0	530
0119062	44 \times 2 \times 0,25	17,4	220,0	580
0119063	45 \times 2 \times 0,25	17,5	225,0	600
0119064	50 \times 2 \times 0,25	18,0	250,0	650
0119065	52 \times 2 \times 0,25	18,1	260,0	670
0119066	55 \times 2 \times 0,25	18,3	275,0	790