



Flat ribbon cable AWG 28/7, 2-50 pole, pitch 1,27mm, halogen free UL AWM 21151

Construction

- Conductor: El-Cu-wire, 7 x 0,127 mm, tinned
- Cross-section: 0,09 mm²
- Insulation: Polyolefin (halogen-free plastic)
- Colour: optional (standard: blue)
- Side stripe: to choice, normal: black
- Min. wall thickness: 0,18mm
- Middle wall thickness: 0,23mm
- Pitch: 1,27 mm ± 0,05mm
- Diameter: 0,93 mm ± 0,05mm
- Bridge: 0,23 ± 0,05mm
- Shore hardness (A): 90 ± 2

Printing: acc. to UL (File- and Style-No.)

Technical Datas

- Dielectric strength: > 1,5 kV at 50 Hz eff. for 1 minute.
- Insulation resistance: min. 20 MΩ x km at 20°C
- Conductor resistance: max. 220 Ω/km at 20°C
- Inductance (loop): circa 1,1 µH/m at 1 kHz
- Capacity A/A: circa 35 pf/m at 1 kHz
- Capacity (GSG): circa 55 pf/m at 1 kHz
- Impedance (GSG): circa 110 Ohm at 1MHz
- Operating voltage: max. 300 V
- Temperature range: stationary: -40°C to +105°C
in motion: -20°C to +105°C

Properties

Flame retardant acc. to UL 1581 (Horizontal Flame Test), Silicone-free.

No.of cores	Total width mm	Tolerance mm	Total pitch mm	Article no.
2	2,20	0,10	1,27 ± 0,05	994602
3	3,47	0,10	2,54 ± 0,10	994603
4	4,74	0,10	3,81 ± 0,10	994604
5	6,01	0,15	5,08 ± 0,15	994605
6	7,28	0,15	6,35 ± 0,15	994606
7	8,55	0,15	7,62 ± 0,15	994607

No.of cores	Total width mm	Tolerance mm	Total pitch mm	Article no.
8	9,82	0,15	8,89 ± 0,15	994608
9	11,09	0,20	10,16 ± 0,20	994609
10	12,36	0,20	11,43 ± 0,20	994610
11	13,63	0,20	12,70 ± 0,20	994611
12	14,90	0,20	13,97 ± 0,20	994612
13	16,17	0,20	15,24 ± 0,20	994613
14	17,44	0,20	16,51 ± 0,20	994614
15	18,71	0,20	17,78 ± 0,20	994615
16	19,98	0,20	19,05 ± 0,20	994616
17	21,25	0,20	20,32 ± 0,20	994617
18	22,52	0,20	21,59 ± 0,20	994618
19	23,79	0,20	22,86 ± 0,20	994619
20	25,06	0,20	24,13 ± 0,20	994620
21	26,33	0,25	25,40 ± 0,25	994621
22	27,60	0,25	26,67 ± 0,25	994622
23	28,87	0,25	27,94 ± 0,25	994623
24	30,14	0,25	29,21 ± 0,25	994624
25	31,41	0,25	30,48 ± 0,25	994625
26	32,68	0,25	31,75 ± 0,25	994626
27	33,95	0,30	33,02 ± 0,30	994627
28	35,22	0,30	34,29 ± 0,30	994628
29	36,49	0,30	35,56 ± 0,30	994629
30	37,76	0,30	36,83 ± 0,30	994630
31	39,03	0,30	38,10 ± 0,30	994631
32	40,30	0,30	39,37 ± 0,30	994632

No.of cores	Total width mm	Tolerance mm	Total pitch mm	Article no.
33	41,57	0,30	40,64 ± 0,30	994633
34	42,84	0,30	41,91 ± 0,30	994634
35	44,11	0,30	43,18 ± 0,30	994635
36	45,38	0,30	44,45 ± 0,30	994636
37	46,65	0,30	45,72 ± 0,30	994637
38	47,92	0,30	46,99 ± 0,30	994638
39	49,19	0,30	48,26 ± 0,30	994639
40	50,46	0,30	49,53 ± 0,30	994640
50	63,16	0,40	62,23 ± 0,40	994650

- Further formats available on request
- All data and products subject to change