



Application

Uni-Cable's semi-rigid PVC data cable is with small bending radius. Applications are in measuring, control, and voice signals, e.g. in medicine technologies, in scales and low-voltage switchboard plant engineering, in control and measuring technologies, for interference-prone operation controls, and in high-sensitive data-processing systems.

Construction

Conductor:bare copper strands acc. to ASTM B 286

Insulation :semi-rigid PVC

Colour code:acc. to colour code UL 2464

Stranding:in layers

Sheath material:PVC

Sheath colour:grey

Technical data

Voltage	UL/CSA: 300 V
Testing voltage	core/core 2000 V
Min. bending radius	fixed laying: 5 x d flexible application: 10 x d
Temperature range	fixed laying: -30/+70 °C flexible application: -5/+70 °C UL/CSA: +80°C
Fire performance	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, CSA FT1, FT2
Oil resistance	acc. to internal standard
Chem. resistance	see "Technical Data" - Chemical resistance
Absence of harmful substances	acc. to RoHS directive of the European Union

Dimensions

No. of cores x cross section	Outer- \varnothing \pm 5%	Copper figure	Cable weight \approx
2 x 26 AWG	3,6 mm	2,7 kg/km	16 kg/km
3 x 26 AWG	3,8 mm	4 kg/km	19 kg/km
4 x 26 AWG	4 mm	5,4 kg/km	21 kg/km
5 x 26 AWG	4,3 mm	6,7 kg/km	25 kg/km
7 x 26 AWG	4,7 mm	9,4 kg/km	30 kg/km
8 x 26 AWG	5,2 mm	10,8 kg/km	36 kg/km
12 x 26 AWG	5,7 mm	16,1 kg/km	45 kg/km
16 x 26 AWG	6,3 mm	21,5 kg/km	56 kg/km
18 x 26 AWG	6,6 mm	24,2 kg/km	61 kg/km

25 x 26 AWG	7,8 mm	33,6 kg/km	80 kg/km
2 x 24 AWG	3,9 mm	4,4 kg/km	20 kg/km
3 x 24 AWG	4,1 mm	6,6 kg/km	23 kg/km
4 x 24 AWG	4,3 mm	8,8 kg/km	27 kg/km
5 x 24 AWG	4,7 mm	11 kg/km	32 kg/km
7 x 24 AWG	5 mm	15,5 kg/km	39 kg/km
8 x 24 AWG	5,7 mm	17,7 kg/km	45 kg/km
12 x 24 AWG	6,3 mm	26,5 kg/km	59 kg/km
16 x 24 AWG	6,9 mm	35,3 kg/km	74 kg/km
18 x 24 AWG	7,2 mm	39,7 kg/km	82 kg/km
25 x 24 AWG	8,5 mm	55,2 kg/km	107 kg/km
2 x 22 AWG	4,2 mm	6,9 kg/km	24 kg/km
3 x 22 AWG	4,4 mm	10,4 kg/km	29 kg/km
4 x 22 AWG	4,7 mm	13,8 kg/km	34 kg/km
5 x 22 AWG	5,1 mm	17,3 kg/km	41 kg/km
7 x 22 AWG	5,5 mm	24,2 kg/km	51 kg/km
8 x 22 AWG	6,2 mm	27,6 kg/km	60 kg/km
12 x 22 AWG	6,9 mm	41,5 kg/km	78 kg/km
16 x 22 AWG	7,6 mm	55,3 kg/km	100 kg/km
18 x 22 AWG	8 mm	62,2 kg/km	110 kg/km
25 x 22 AWG	9,4 mm	86,4 kg/km	146 kg/km
2 x 20 AWG	4,7 mm	11,9 kg/km	33 kg/km
3 x 20 AWG	4,9 mm	17,9 kg/km	40 kg/km
4 x 20 AWG	5,3 mm	23,8 kg/km	48 kg/km
5 x 20 AWG	5,7 mm	29,8 kg/km	57 kg/km
7 x 20 AWG	6,2 mm	41,7 kg/km	73 kg/km
12 x 20 AWG	7,9 mm	71,4 kg/km	115 kg/km
18 x 20 AWG	9,2 mm	107,1 kg/km	164 kg/km
25 x 20 AWG	12,4 mm	148,8 kg/km	228 kg/km
2 x 18 AWG	5,2 mm	18,4 kg/km	43 kg/km
3 x 18 AWG	5,4 mm	27,6 kg/km	53 kg/km
4 x 18 AWG	5,9 mm	36,9 kg/km	66 kg/km
5 x 18 AWG	6,4 mm	46,1 kg/km	79 kg/km
7 x 18 AWG	6,9 mm	64,5 kg/km	102 kg/km
12 x 18 AWG	8,9 mm	110,6 kg/km	164 kg/km
18 x 18 AWG	10,6 mm	165,9 kg/km	238 kg/km
25 x 18 AWG	13,1 mm	230,4 kg/km	321 kg/km
2 x 16 AWG	5,5 mm	23,6 kg/km	51 kg/km

3 x 16 AWG	5,8 mm	35,4 kg/km	64 kg/km
4 x 16 AWG	6,2 mm	47,2 kg/km	78 kg/km
5 x 16 AWG	6,8 mm	59 kg/km	92 kg/km
7 x 16 AWG	7,4 mm	82,7 kg/km	123 kg/km

Other dimensions and colours are possible on request.