



Application

Uni-Cable's semi-rigid PVC data cable overall copper screen is applied 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 US 3

Stranding:cores twisted to pairs, pairs twisted in layers

Wrapping:PETP foil

Screen:tinned copper braiding with a tinned copper drain wire (0,22 mm²)

Sheath material:PVC

Sheath colour:grey

Technical data

Voltage	UL/CSA: 300 V
Testing voltage	core/core 2000 V core/screen 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 fixed laying: up to +80°C UL/CSA flexible application: up to +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	4,1 mm	9,5 kg/km	22 kg/km
3 x 26 AWG	4,3 mm	10,8 kg/km	24 kg/km
4 x 26 AWG	4,5 mm	12,2 kg/km	26 kg/km
5 x 26 AWG	4,8 mm	15,3 kg/km	31 kg/km
7 x 26 AWG	5,1 mm	18 kg/km	36 kg/km

8 x 26 AWG	5,7 mm	21,2 kg/km	44 kg/km
12 x 26 AWG	6,2 mm	26,6 kg/km	52 kg/km
16 x 26 AWG	6,8 mm	33,9 kg/km	64 kg/km
18 x 26 AWG	7,1 mm	38,4 kg/km	71 kg/km
25 x 26 AWG	8,2 mm	50 kg/km	91 kg/km
2 x 24 AWG	4,4 mm	11,2 kg/km	25 kg/km
3 x 24 AWG	4,6 mm	13,4 kg/km	28 kg/km
4 x 24 AWG	4,9 mm	17,4 kg/km	33 kg/km
5 x 24 AWG	5,2 mm	19,6 kg/km	38 kg/km
7 x 24 AWG	5,5 mm	25,8 kg/km	46 kg/km
8 x 24 AWG	6,2 mm	28,2 kg/km	55 kg/km
10 x 24 AWG	6,6 mm	34,4 kg/km	60 kg/km
12 x 24 AWG	6,8 mm	38,9 kg/km	67 kg/km
16 x 24 AWG	7,4 mm	49,7 kg/km	84 kg/km
18 x 24 AWG	7,8 mm	54,2 kg/km	92 kg/km
25 x 24 AWG	9,2 mm	73,8 kg/km	123 kg/km
2 x 22 AWG	4,7 mm	13,7 kg/km	28 kg/km
3 x 22 AWG	4,9 mm	18,9 kg/km	34 kg/km
4 x 22 AWG	5,2 mm	22,4 kg/km	40 kg/km
5 x 22 AWG	5,6 mm	27,7 kg/km	47 kg/km
7 x 22 AWG	6 mm	34,6 kg/km	57 kg/km
8 x 22 AWG	6,7 mm	40 kg/km	68 kg/km
10 x 22 AWG	7,2 mm	48,8 kg/km	78 kg/km
12 x 22 AWG	7,4 mm	55,8 kg/km	87 kg/km
16 x 22 AWG	8,1 mm	71,7 kg/km	110 kg/km
18 x 22 AWG	8,7 mm	78,8 kg/km	124 kg/km
25 x 22 AWG	10,1 mm	107,4 kg/km	136 kg/km
2 x 20 AWG	5,2 mm	20,5 kg/km	37 kg/km
3 x 20 AWG	5,4 mm	26,5 kg/km	44 kg/km
4 x 20 AWG	5,8 mm	34,2 kg/km	54 kg/km
5 x 20 AWG	6,2 mm	40,3 kg/km	63 kg/km
6 x 20 AWG	6,7 mm	48,1 kg/km	74 kg/km
7 x 20 AWG	6,7 mm	54 kg/km	80 kg/km
10 x 20 AWG	8,2 mm	76 kg/km	109 kg/km
12 x 20 AWG	8,5 mm	87,9 kg/km	127 kg/km
18 x 20 AWG	9,9 mm	126,1 kg/km	179 kg/km
25 x 20 AWG	11,6 mm	172,8 kg/km	238 kg/km
2 x 18 AWG	5,6 mm	28,8 kg/km	47 kg/km

3 x 18 AWG	5,9 mm	38,1 kg/km	57 kg/km
4 x 18 AWG	6,3 mm	49,1 kg/km	71 kg/km
5 x 18 AWG	6,9 mm	60,3 kg/km	86 kg/km
7 x 18 AWG	7,4 mm	78,8 kg/km	108 kg/km
8 x 18 AWG	8,6 mm	90,2 kg/km	131 kg/km
12 x 18 AWG	9,6 mm	129,4 kg/km	176 kg/km
18 x 18 AWG	11,1 mm	189,5 kg/km	251 kg/km
25 x 18 AWG	13,4 mm	258,9 kg/km	346 kg/km
2 x 16 AWG	6 mm	34,1 kg/km	54 kg/km
3 x 16 AWG	6,2 mm	45,9 kg/km	67 kg/km
4 x 16 AWG	6,7 mm	59,6 kg/km	83 kg/km
5 x 16 AWG	7,3 mm	73,3 kg/km	101 kg/km
7 x 16 AWG	7,9 mm	99 kg/km	130 kg/km
8 x 16 AWG	9,1 mm	113,1 kg/km	157 kg/km
12 x 16 AWG	10,2 mm	162,8 kg/km	212 kg/km

Other dimensions and colours are possible on request.