

Appendix III Round Cable Data (AWG)

The data on this page is for **general information only** applicable to cable sold by Conductix-Wampfler for use with round cable festoon systems. Nominal diameters and weights shown will vary with different manufacturers.

If you don't see the cable types and sizes you need - please Contact Conductix-Wampfler.

Type SOW-A or SOOW-A (90° C Insulation)					
AWG	# of Con.	Amps	Dia. in. (mm)	Wt lb/ft (kg/m)	Part No.
16	2	10	0.41 (10.24)	0.08 (0.04)	33017
16	3	10	0.43 (10.92)	0.09 (0.04)	33018
16	4	8	0.49 (12.32)	0.12 (0.05)	33019
16	6	8	0.57 (14.35)	0.18 (0.08)	33020
16	7	7	0.61 (15.37)	0.20 (0.09)	35158
16	8	7	0.65 (16.38)	0.22 (0.10)	33021
16	10	5	0.72 (18.29)	0.28 (0.13)	33022
16	12	5	0.74 (18.80)	0.31 (0.14)	33023
16	14	5	0.78 (19.69)	0.35 (0.16)	33024
16	16	5	0.83 (20.96)	0.39 (0.18)	33025
16	20	5	0.90 (22.86)	0.47 (0.21)	33026
16	24	5	1.02 (25.78)	0.57 (0.26)	33027
14	2	15	0.53 (13.46)	0.14 (0.06)	33029
14	3	15	0.56 (14.22)	0.17 (0.08)	33030
14	4	12	0.61 (15.37)	0.21 (0.10)	33031
14	6	12	0.74 (18.80)	0.31 (0.14)	33032
14	8	10.5	0.85 (21.46)	0.36 (0.16)	33033
14	10	7.5	0.91 (22.99)	0.43 (0.20)	33034
14	12	7.5	0.93 (23.62)	0.35 (0.16)	33035
14	14	7.5	0.98 (24.89)	0.56 (0.25)	33036
14	16	7.5	1.08 (27.31)	0.66 (0.30)	33037
14	20	7.5	1.18 (29.97)	0.79 (0.36)	33038
14	24	7.5	1.29 (32.77)	0.92 (0.42)	33039
12	2	20	0.61 (15.34)	0.17 (0.08)	33041
12	3	20	0.64 (16.26)	0.23 (0.10)	33042
12	4	16	0.67 (17.02)	0.28 (0.13)	33043
12	6	16	0.80 (20.32)	0.37 (0.17)	33044
12	8	14	0.92 (23.24)	0.45 (0.20)	33045
12	10	10	1.02 (25.78)	0.56 (0.25)	33046
12	12	10	1.05 (26.54)	0.64 (0.29)	33047
12	16	10	1.16 (29.34)	0.84 (0.38)	33048
12	20	10	1.29 (32.64)	1.00 (0.45)	33049
10	2	25	0.64 (16.26)	0.22 (0.10)	33052
10	3	25	0.69 (17.53)	0.28 (0.13)	33053
10	4	20	0.75 (19.05)	0.38 (0.17)	33054
10	6	20	0.88 (22.35)	0.48 (0.22)	33645
10	7	17.5	0.98 (24.89)	0.59 (0.27)	35667
10	8	17.5	1.05 (26.67)	0.65 (0.29)	33055
10	10	12.5	1.13 (28.58)	0.76 (0.34)	33056
10	12	12.5	1.16 (29.34)	0.85 (0.39)	33057

Type W (90° C Insulation)					
AWG	# of Con.	Amps	Dia. in. (mm)	Wt lb/ft (kg/m)	Part No.
8	2	50	0.81 (20.57)	0.42 (0.19)	33058
8	3	50	0.91 (23.11)	0.60 (0.27)	33059
8	4	45	0.99 (25.15)	0.68 (0.31)	33060
6	2	65	0.93 (23.62)	0.57 (0.26)	33061
6	3	65	1.01 (25.65)	0.75 (0.34)	33062
6	4	55	1.10 (27.94)	0.88 (0.40)	33063
4	2	75	1.08 (27.43)	0.79 (0.36)	33064
4	3	75	1.17 (29.72)	0.98 (0.44)	33065
4	4	65	1.27 (32.26)	1.22 (0.55)	33066
2	2	110	1.27 (32.26)	1.14 (0.52)	33067
2	3	110	1.34 (34.04)	1.41 (0.64)	33068

* Amp ratings are based on an ambient temperature of 30°C, derated for cables with more than 3 current carrying conductors per NEC. Ampacity requirements are solely dependent on applicable local codes. Conductix-Wampfler cannot specifically recommend required ampacity.