

# ISO10133 Wire sizing

Maximum current per wire for a given temperature rise (outside engine room)

	Nearest AWG	A at 60°	A at 70°	A at 85°	A at 105°	A at 125°	A at 200°	Min strands	Pull load
0.75mm <sup>2</sup>	19, 18	6	10	12	16	20	25	16	40N
1mm <sup>2</sup>	17	8	14	18	20	25	35	16	60N
1.5mm <sup>2</sup>	16, 15	12	18	21	25	30	40	19	130N
2.5mm <sup>2</sup>	14, 13	17	25	30	35	40	45	19	150N
4mm <sup>2</sup>	12, 11	22	35	40	45	50	55	19	170N
6mm <sup>2</sup>	10, 9	29	45	50	60	70	75	19	200N
10mm <sup>2</sup>	8, 7	40	65	70	90	100	120	19	220N
16mm <sup>2</sup>	6, 5	54	90	100	130	150	170	37	260N
25mm <sup>2</sup>	4, 3	71	120	140	170	185	200	49	310N
35mm <sup>2</sup>	2	87	160	185	210	225	240	127	350N
50mm <sup>2</sup>	1, 1/0	105	210	230	270	300	325	127	400N
70mm <sup>2</sup>	2/0	135	265	285	330	360	375	127	440N
95mm <sup>2</sup>	3/0	165	310	330	390	410	430	259	550N
120mm <sup>2</sup>	4/0	190	360	400	450	480	520	418	660N

- x 0.7 for 4-6 cables per bundle, x 0.6 for 7-24 cables per bundle, x 0.5 for > 24
- Support every 300mm. Min size 1mm<sup>2</sup> or 0.75mm<sup>2</sup> for internal or multi-core.
- Max four conductors per terminal

