

FAS* 105C, 300V

Applications: For use as fire alarm and signal cable in buildings and other structures in dry, damp or wet locations in accordance with the Rules of Sections 16 and 32 of C22.1 Canadian Electrical Code, Part I.

Conductors: 22 AWG to 12 AWG solid bare copper.

Insulation: Polyvinyl chloride (PVC)

Voltage Rating: 300V

Temperature Rating: -30°C** to 105°C, 60°C WET

Flame Rating: FT4

Sunlight Resistant: marked "SR".

Standards: CSA C22.2 No. 208, CSA C22.3 No. 35*

Gauge AWG	Conductor Count	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Cable Diameter		Nominal Cable Weight	
		mm	in.	mm	in.	mm	in.	kg/km	lb/mft
22	4	0.30	0.012	0.84	0.033	4.80	0.189	32	22
18	2 Parallel	0.38	0.015	0.84	0.033	3.66 x 5.54	.144 x .218	35	24
18	2	0.38	0.015	0.84	0.033	5.54	0.218	38	26
18	3	0.38	0.015	0.84	0.033	5.82	0.229	49	33
18	4	0.38	0.015	0.84	0.033	6.30	0.248	61	41
18	5	0.38	0.015	0.84	0.033	6.83	0.269	73	49
18	6	0.38	0.015	0.89	0.035	7.49	0.295	87	58
18	7	0.38	0.015	0.89	0.035	7.49	0.295	97	65
18	8	0.38	0.015	0.89	0.035	8.08	0.318	109	73
18	9	0.38	0.015	0.89	0.035	8.64	0.340	121	81
18	10	0.38	0.015	0.89	0.035	9.35	0.368	134	90
18	11	0.38	0.015	0.89	0.035	9.35	0.368	144	97
18	20	0.38	0.015	1.12	0.044	12.04	0.474	255	171
18	21	0.38	0.015	1.12	0.044	12.27	0.483	266	179
18	30	0.38	0.015	1.12	0.044	14.33	0.564	367	247
16	2	0.38	0.015	0.84	0.033	6.05	0.238	50	34
16	3	0.38	0.015	0.84	0.033	6.38	0.251	66	44
16	4	0.38	0.015	0.84	0.033	6.91	0.272	83	56
16	5	0.38	0.015	0.89	0.035	7.62	0.300	102	69
16	7	0.38	0.015	0.89	0.035	8.26	0.325	134	90
16	8	0.38	0.015	0.89	0.035	8.92	0.351	151	101
14	2	0.38	0.015	0.84	0.033	6.71	0.264	68	46
14	3	0.38	0.015	0.89	0.035	7.19	0.283	93	62
14	4	0.38	0.015	0.89	0.035	7.82	0.308	118	79
14	5	0.38	0.015	0.89	0.035	8.51	0.335	143	96
12	2	0.38	0.015	0.89	0.035	7.67	0.302	96	65
12	3	0.38	0.015	0.89	0.035	8.13	0.320	132	89
12	4	0.38	0.015	0.89	0.035	8.86	0.349	169	114

* 18 and 16 AWG are dual marked LVT 60C 30V. For use as extra-low-voltage control circuit cables in Class 2 circuits in dry or damp locations at temperatures not exceeding 60C and at voltages not exceeding 30V.

** The -30°C low temperature rating indicates that the cables have passed a cold bend test under carefully controlled laboratory conditions. These conditions may or may not reflect actual field conditions. It is therefore recommended that all cables be warmed to at least -10°C before installation.

Notes: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.