

www.codemath.com

Maximum Number of Conductors in Trade Sizes of Conduit

Canadian Electrical Code Rule 12-1014

NEXANS CABLES INC. Insulated Cables

RW90XLPE, 600 Volt, Copper, Without Jacket

Trade Size (inch)	0.5	0.75	1	1.25	1.5	2	2.5	3	3.5	4	4.5	5	6
Trade Size (mm)	16	21	27	35	41	53	63	78	91	103	116	129	155

AWG(strands)	Diam(mm)	Maximum Number of Conductors												
14(1)	3.2	9	17	27	48	65	107	153	200	200	200	200	200	200
14(7)	3.3	9	16	26	45	61	101	144	200	200	200	200	200	200
12(1)	3.6	7	13	21	37	51	85	121	187	200	200	200	200	200
12(7)	3.8	6	12	19	34	46	76	108	168	200	200	200	200	200
10(1)	4.1	5	10	16	29	39	65	93	144	193	200	200	200	200
10(7)	4.6	5	8	14	24	33	55	78	121	162	200	200	200	200
8(7)	5.9	2	5	8	14	19	31	45	69	93	120	150	188	200
6(7)	6.8	1	3	6	10	14	23	34	52	70	90	113	142	200
4(7)	8	1	2	4	7	10	17	24	37	50	65	81	102	148
3(7)	8.7	1	1	3	6	8	14	20	32	42	55	69	86	125
2(7)	9.5	1	1	3	5	7	12	17	26	35	46	58	72	105
1(19)	11	1	1	1	4	5	9	13	20	26	34	43	54	78
1/0(19)	11.8	0	1	1	3	4	7	11	17	23	30	37	47	68
2/0(19)	12.9	0	1	1	2	4	6	9	14	19	25	31	39	57
3/0(19)	14.2	0	1	1	1	3	5	7	12	16	20	25	32	47
4/0(19)	15.6	0	0	1	1	2	4	6	9	13	17	21	27	39
250(37)	17.5	0	0	1	1	1	3	5	7	10	13	17	21	30
300(37)	18.8	0	0	1	1	1	3	4	6	9	11	14	18	26
350(37)	19.9	0	0	0	1	1	2	3	6	8	10	13	16	23
400(37)	21.2	0	0	0	1	1	1	3	5	7	9	11	14	21
500(37)	23.3	0	0	0	1	1	1	2	4	5	7	9	12	17
600(61)	26	0	0	0	0	1	1	1	3	4	6	7	9	14
750(61)	28.9	0	0	0	0	1	1	1	2	3	5	6	7	11
1000(61)	32.4	0	0	0	0	0	1	1	1	3	3	4	6	9

Measured wire diameters are taken from the Manufacturer's Web Site
Wire diameters last updated May 1, 2007