

RIGID METAL CONDUIT FILL GUIDELINES

Rigid Metal Conduit Sizing						Max. # of Conductors								
Trade Size		OD		Nom. Weight/ft		RW90			THHN			Voice/Data Cabling		
US	METRIC	in	mm	LBS	KGS	14 AWG	12 AWG	10 AWG	14 AWG	12 AWG	10 AWG	Cat 5e	Cat6	Cat6A
1/2	16	0.84	21.3	0.82	0.37	5	4	3	12	9	5	4	2	1
3/4	21	1.05	26.7	1.09	0.49	10	8	6	22	16	10	7	5	2
1	27	1.32	33.4	1.61	0.73	16	13	10	36	26	16	12	8	3
1 1/4	35	1.66	42.2	2.18	0.99	29	23	18	62	45	28	21	14	6
1 1/2	41	1.90	48.3	2.63	1.19	39	31	24	85	62	38	29	19	8
2	53	2.38	60.3	3.50	1.59	65	52	40	140	102	63	49	32	14
2 1/2	63	2.88	73.0	5.59	2.54	92	74	57	200	146	91	70	46	20
3	78	3.50	88.9	7.27	3.30	143	114	89	310	226	140	108	71	30
3 1/2	91	4.00	101.6	8.80	3.99	191	153	119	415	302	188	144	95	41
4	103	4.50	114.3	10.30	4.67	247	197	154	535	390	242	186	123	53
5	129	5.56	141.3	14.00	6.35	388	310	242	840	613	381	293	193	83
6	155	6.63	168.3	18.40	8.35	561	448	349	1214	885	550	423	280	120

The preceding table was compiled using data obtained from the current revisions of the Canadian Electrical Code and National Electrical Code at time of publishing. Always check with your local authorities for information specific to your jurisdiction. Intended to be used only as a guideline.

CONSIDER THE BENEFITS OF INSTALLING ULTRALX® ARMoured CABLE

- ✓ Install the conduit and wire at the same time using ULTRALX Armoured Cable.
- ✓ ULTRALX Armoured Cable meets CEC & NEC requirements and is CSA & UL listed.
- ✓ Up to 75% lighter and twice as compact compared to metal conduit. (See side panel)
- ✓ Requires no pipe bending equipment.
- ✓ Available in made to order constructions up to 2" in diameter.
- ✓ Further optimize your labour content with cut-to-length cable assemblies.
- ✓ For more information, click on www.ultralx.com

Does your cable measure up?

Armoured Cable

AC90 10/8+IG

(6L, 2N, IG)

0.43 lbs/foot

0.76" Outer Diameter

vs.

Rigid Conduit Equivalent

MIN. 1" US TRADE SIZE

(Max. 10x 10AWG RW90)

1.61 lbs/foot

1.32" Outer Diameter

=

**Compact and Efficient
Construction**