

# Conduit Fill Guide

## Plenum

No. of Cables at 40% Conduit Fill Based on Trade Size of the Conduit (inches)

Cable	Type	O.D.	0.75	1	1.25	1.5	2	2.5	3	3.5	4
<b>Augmented Category 6</b>											
<b>GigaLAN 10</b>	4 pr UTP	0.295	2	4	7	10	18	28	41	56	73
<b>Category 6E</b>											
<b>GigaLAN</b>	4 pr UTP	0.244	3	6	10	15	27	42	60	82	107
<b>Category 6e</b>											
<b>AdvanceNet</b>	4 pr UTP	0.228	4	7	12	17	30	48	69	94	123
<b>Category 6</b>											
<b>Cat 6</b>	4 pr F/UTP	0.255	3	6	9	14	24	38	55	75	98
<b>6 LAN</b>	4 pr UTP	0.208	5	9	14	21	37	57	83	113	148
<b>Category 5E</b>											
<b>MegaLAN</b>	4 pr UTP	0.190	6	11	17	25	44	69	99	135	177
<b>MegaLAN</b>	4 pr F/UTP	0.224	4	8	12	18	32	50	71	97	127
<b>Category 5e</b>											
<b>5e LAN</b>	4 pr UTP	0.180	7	12	19	27	49	77	111	151	197
<b>5e LAN</b>	4 pr F/UTP	0.218	4	8	13	19	33	52	75	103	134
<b>5e LAN</b>	25 pr UTP	0.430	1	2	3	5	8	13	19	26	34
<b>5e LAN</b>	25 pr F/UTP	0.472	1	1	2	4	7	11	16	22	28
<b>Category 5</b>											
<b>Cat 5</b>	4 pr UTP	0.180	7	12	19	27	49	77	111	151	197
<b>Cat 5</b>	4 pr F/UTP	0.230	4	7	12	17	30	47	68	92	121
<b>Cat 5</b>	25 pr UTP	0.430	1	2	3	5	8	13	19	26	34
<b>Cat 5</b>	25 pr F/UTP	0.472	1	1	2	4	7	11	16	22	28
<b>Category 3</b>											
<b>Cat 3</b>	4 pr UTP	0.161	8	15	24	34	61	96	139	189	247
<b>Cat 3</b>	4 pr F/UTP	0.189	6	11	17	25	44	70	100	137	179
<b>Cat 3</b>	25 pr UTP	0.389	1	2	4	6	10	16	23	32	42
<b>Cat 3</b>	25 pr F/UTP	0.346	2	3	5	7	13	21	30	41	53
<b>Cat 3</b>	50 pr UTP	0.550	0	1	2	3	5	8	12	16	21
<b>Cat 3</b>	100 pr UTP	0.786	0	0	1	1	2	4	6	8	10
<b>Cat 3</b>	200 pr UTP	1.088	0	0	0	0	1	2	3	4	5
<b>Cat 3</b>	300 pr UTP	1.334	0	0	0	0	1	1	2	2	3

GigaLAN 10, GigaLAN, AdvanceNet, MegaLAN, 6 LAN, VersaLAN, and 5e LAN are trademarks or registered trademarks of Mohawk.

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No. of Cables at 40% Conduit Fill Based on Trade Size of the Conduit (inches)

## Non Plenum

Cable	Type	O.D.	0.75	1	1.25	1.5	2	2.5	3	3.5	4
<b>Augmented Category 6</b>											
<b>GigaLAN 10</b>	4 pr UTP	0.295	2	4	7	10	18	28	41	56	73
<b>Category 6E</b>											
<b>GigaLAN</b>	4 pr UTP	0.247	3	6	10	14	26	41	59	80	105
<b>Category 6e</b>											
<b>AdvanceNet</b>	4 pr UTP	0.225	4	8	12	17	31	49	71	96	126
<b>Category 6</b>											
<b>Cat 6</b>	4 pr F/UTP	0.265	3	5	9	13	22	35	51	69	91
<b>6 LAN</b>	4 pr UTP	0.212	5	9	14	20	35	55	80	109	142
<b>Category 5E</b>											
<b>MegaLAN</b>	4 pr UTP	0.190	6	11	17	25	44	69	99	135	177
<b>MegaLAN</b>	4 pr F/UTP	0.245	3	6	10	15	26	41	60	81	106
<b>Category 5e &amp; 5</b>											
<b>5e LAN &amp; 5</b>	4 pr UTP	0.190	6	11	17	25	44	69	99	135	177
<b>5e LAN &amp; 5</b>	4 pr F/UTP	0.232	4	7	11	16	29	46	67	91	119
<b>5e LAN &amp; 5</b>	25 pr UTP	0.470	1	2	3	4	7	11	16	22	29
<b>5e LAN &amp; 5</b>	25 pr F/UTP	0.522	1	1	2	3	6	9	13	18	23
<b>5e LAN &amp; 5</b>	50 pr UTP	0.750	0	0	1	1	3	4	6	8	11
<b>Category 3</b>											
<b>Cat 3</b>	4 pr UTP	0.161	8	15	24	34	61	96	139	189	247
<b>Cat 3</b>	4 pr F/UTP	0.210	5	9	14	20	36	56	81	111	145
<b>Cat 3</b>	25 pr UTP	0.364	1	3	4	6	12	19	27	37	48
<b>Cat 3</b>	25 pr F/UTP	0.394	1	2	4	5	10	16	23	31	41
<b>Cat 3</b>	50 pr UTP	0.591	0	1	1	2	4	7	10	14	18
<b>Cat 3</b>	100 pr UTP	0.707	0	1	1	2	3	5	7	10	13
<b>Cat 3</b>	200 pr UTP	1.054	0	0	0	1	1	2	3	4	5
<b>Cat 3</b>	300 pr UTP	1.222	0	0	0	0	1	1	2	3	4
<b>VersaLAN</b>											
<b>Cat 6</b>	4 pr UTP	0.271	3	5	8	12	21	34	49	66	87
<b>Cat 5e</b>	4 pr UTP	0.251	3	6	10	14	25	39	57	77	101
<b>Cat 5e</b>	25 pr F/UTP	0.730	0	0	1	1	3	4	6	9	12

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