

MAXIMUM CONDUIT FILL RATE GUIDE FOR PD SERIES PRODUCTS TO MEET ETL CERTIFICATION REQUIREMENTS

- WITHIN ETL LIMITS FOR CONDUIT 24" OR GREATER IN LENGTH (40% MAX FILL)
- WITHIN ETL LIMITS FOR CONDUIT SHORTER THAN 24" (60% MAX FILL)
- NONCOMPLIANT WITH ETL CERTIFICATION REQUIREMENTS

FILL RATE FOR 10AWG WIRE (NORMALLY USED ON 30A CIRCUITS)					
3/4" CONDUIT			1" CONDUIT		
# OF CIRCUITS	COMMON GND	INDIVIDUAL GND	# OF CIRCUITS	COMMON GND	INDIVIDUAL GND
2	23%	27%	2	13%	15%
3	32%	41%	3	18%	23%
4	41%	55%	4	23%	31%
5	50%	68%	5	28%	38%
6	59%	82%	6	33%	46%
7	68%	95%	7	38%	54%
8	77%	**	8	43%	61%
9	86%	**	9	48%	69%
10	95%	**	10	54%	76%
11	**	**	11	59%	84%
12	**	**	12	64%	92%
13	**	**	13	69%	99%
14	**	**	14	74%	**
15	**	**	15	79%	**
16	**	**	16	84%	**
17	**	**	17	89%	**

FILL RATE FOR 12AWG WIRE (NORMALLY USED ON 20A CIRCUITS)					
3/4" CONDUIT			1" CONDUIT		
# OF CIRCUITS	COMMON GND	INDIVIDUAL GND	# OF CIRCUITS	COMMON GND	INDIVIDUAL GND
3	20%	26%	3	11%	15%
4	26%	35%	4	15%	20%
5	32%	44%	5	18%	24%
6	38%	52%	6	21%	29%
7	44%	61%	7	24%	34%
8	49%	70%	8	28%	39%
9	55%	79%	9	31%	44%
10	61%	87%	10	34%	49%
11	67%	96%	11	38%	54%
12	73%	**	12	41%	59%
13	79%	**	13	44%	64%
14	84%	**	14	47%	68%
15	90%	**	15	51%	73%
16	96%	**	16	54%	78%
17	**	**	17	57%	83%
18	**	**	18	60%	88%

NOTE: COMMON GROUND - THE TERM USED WHEN MULTIPLE CIRCUITS SHARE THE SAME SINGLE GROUND WIRE.

INDIVIDUAL GROUND - THE TERM USED WHEN EACH CIRCUIT HAS ITS OWN SPERATE GROUND WIRE