

## ตารางเทียบขนาดท่อไฟฟ้า (นิ้ว, มม.)

| ขนาดท่อ  | EMT | IMC | RSC | uPVC | PVC | HDPE | RTRC | E-FLEX | P-FLEX            |
|----------|-----|-----|-----|------|-----|------|------|--------|-------------------|
| นิ้ว     | มม. | มม. | มม. | มม.  | มม. | มม.  | มม.  | มม.    | มม.               |
| Ø 3/8"   | -   | -   | -   | 15   | 15  | -    | -    | -      | 14                |
| Ø 1/2"   | 15  | 15  | 15  | 18   | 18  | 20   | -    | -      | 16                |
| Ø 3/4"   | 20  | 20  | 20  | 20   | 20  | 25   | -    | -      | 22                |
| Ø 1"     | 25  | 25  | 25  | 25   | 25  | 32   | -    | 30     | 28                |
| Ø 1-1/4" | 32  | 32  | 32  | 35   | 35  | 40   | -    | -      | 36                |
| Ø 1-1/2" | 40  | 40  | 40  | 40   | 40  | 50   | -    | -      | -                 |
| Ø 2"     | 50  | 50  | 50  | 55   | 55  | 63   | 50   | 50     | -                 |
| Ø 2-1/2" | -   | 65  | 65  | -    | 65  | 75   | -    | -      | -                 |
| Ø 3"     | -   | 80  | 80  | -    | 80  | 90   | 80   | 80     | -                 |
| Ø 3-1/2" | -   | 90  | 90  | -    | -   | -    | -    | -      | -                 |
| Ø 4"     | -   | 100 | 100 | -    | 100 | 110  | 100  | 100    | -                 |
| Ø 4-1/2" | -   | -   | -   | -    | -   | 125  | -    | -      | -                 |
| Ø 5"     | -   | -   | 125 | -    | -   | 140  | 125  | 125    | -                 |
| Ø 6"     | -   | -   | 150 | -    | -   | 160  | 150  | 150    | -                 |
| หมายเหตุ | ID  | ID  | ID  | ID   | ID  | OD   | ID   | ID     | ID <sup>377</sup> |

Facebook Electrical room



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# IEC01 (THW)

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| 60227 IEC 01 (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|---------------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                       |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                            | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )              | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                                 |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 1.5                             | 3.3      | 8.55               | 8         | 15        | 23        |           |           |           |           |           |           |            |
| 2.5                             | 4.0      | 12.56              | 6         | 10        | 16        | 26        |           |           |           |           |           |            |
| 4                               | 4.6      | 16.61              | 4         | 8         | 12        | 19        | 30        |           |           |           |           |            |
| 6                               | 5.2      | 21.23              | 3         | 6         | 9         | 15        | 24        |           |           |           |           |            |
| 10                              | 6.7      | 35.24              | 2         | 4         | 6         | 9         | 14        | 22        |           |           |           |            |
| 16                              | 7.8      | 47.76              | 1         | 3         | 4         | 7         | 11        | 16        | 28        |           |           |            |
| 25                              | 9.7      | 73.86              | 1         | 2         | 3         | 4         | 7         | 11        | 18        | 27        |           |            |
| 35                              | 10.9     | 93.27              |           | 1         | 2         | 3         | 5         | 8         | 14        | 22        | 27        |            |
| 50                              | 12.8     | 128.61             |           | 1         | 2         | 3         | 4         | 6         | 10        | 16        | 20        | 24         |
| 70                              | 14.6     | 167.33             |           |           | 1         | 2         | 3         | 5         | 8         | 12        | 15        | 19         |
| 95                              | 17.1     | 229.54             |           |           |           | 1         | 2         | 3         | 6         | 9         | 11        | 14         |
| 120                             | 18.8     | 277.45             |           |           |           | 1         | 2         | 3         | 5         | 7         | 9         | 11         |
| 150                             | 20.9     | 342.90             |           |           |           |           | 1         | 2         | 4         | 6         | 7         | 9          |
| 185                             | 23.3     | 426.17             |           |           |           |           | 1         | 2         | 3         | 5         | 6         | 7          |
| 240                             | 26.6     | 555.43             |           |           |           |           |           | 1         | 2         | 4         | 5         | 6          |
| 300                             | 29.6     | 687.79             |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 400                             | 33.2     | 865.26             |           |           |           |           |           |           | 2         | 2         | 3         | 4          |



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# CV - 1C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| CV SINGLE CORE (0.6/1 kV ,90 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|----------------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                        |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                             | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )               | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                                  |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 1.5                              | 6.5      | 33.17              | 2         | 4         | 6         | 10        | 15        |           |           |           |           |            |
| 2.5                              | 7.0      | 38.47              | 2         | 3         | 5         | 8         | 13        |           |           |           |           |            |
| 4                                | 7.5      | 44.16              | 2         | 3         | 4         | 7         | 11        | 18        |           |           |           |            |
| 6                                | 8.0      | 50.24              | 1         | 3         | 4         | 6         | 10        | 16        |           |           |           |            |
| 10                               | 8.5      | 56.72              | 1         | 2         | 3         | 6         | 9         | 14        | 23        |           |           |            |
| 16                               | 9.5      | 70.85              | 1         | 2         | 3         | 5         | 7         | 11        | 19        |           |           |            |
| 25                               | 11.5     | 103.82             |           | 1         | 2         | 3         | 5         | 8         | 13        | 19        |           |            |
| 35                               | 12.5     | 122.66             |           | 1         | 2         | 3         | 4         | 6         | 11        | 16        | 21        |            |
| 50                               | 14.0     | 153.86             |           |           | 1         | 2         | 3         | 5         | 9         | 13        | 17        | 20         |
| 70                               | 15.5     | 188.60             |           |           | 1         | 2         | 3         | 4         | 7         | 11        | 13        | 17         |
| 95                               | 17.5     | 240.41             |           |           |           | 1         | 2         | 3         | 6         | 8         | 11        | 13         |
| 120                              | 19.5     | 298.50             |           |           |           | 1         | 2         | 3         | 4         | 7         | 9         | 11         |
| 150                              | 21.5     | 362.87             |           |           |           |           | 1         | 2         | 4         | 6         | 7         | 9          |
| 185                              | 23.5     | 433.52             |           |           |           |           | 1         | 2         | 3         | 5         | 6         | 7          |
| 240                              | 26.5     | 551.27             |           |           |           |           |           | 1         | 2         | 4         | 5         | 6          |
| 300                              | 29.0     | 660.19             |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 400                              | 32.5     | 829.16             |           |           |           |           |           |           | 2         | 2         | 3         | 4          |
| 500                              | 36.5     | 1045.8             |           |           |           |           |           |           | 1         | 2         | 2         | 3          |
| 630                              | 41       | 1319.6             |           |           |           |           |           |           | 1         | 2         | 2         | 2          |
| 800                              | 45.5     | 1625.1             |           |           |           |           |           |           |           | 1         | 2         | 2          |



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# CV - 2C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| CV-2C (0.6/1 kV ,90 °C) |          |                    |         |        |        |        |        |        |        |        |        |         |
|-------------------------|----------|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| CONDUCTOR               |          |                    | CONDUIT |        |        |        |        |        |        |        |        |         |
| SIZE                    | DIAMETER | AREA               | 15 mm.  | 20 mm. | 25 mm. | 32 mm. | 40 mm. | 50 mm. | 65 mm. | 80 mm. | 90 mm. | 100 mm. |
| (mm <sup>2</sup> )      | (mm)     | (mm <sup>2</sup> ) | 71      | 126    | 196    | 322    | 502    | 785    | 1327   | 2010   | 2543   | 3140    |
|                         |          |                    | 1/2"    | 3/4"   | 1"     | 1 1/4" | 1 1/2" | 2"     | 2 1/2" | 3"     | 3 1/2" | 4"      |
| 1.5                     | 10.5     | 86.55              |         | 1      | 2      | 4      | 6      | 9      |        |        |        |         |
| 2.5                     | 11.5     | 103.82             |         | 1      | 2      | 3      | 5      | 8      |        |        |        |         |
| 4                       | 12.5     | 122.66             |         | 1      | 2      | 3      | 4      | 6      | 11     |        |        |         |
| 6                       | 14.0     | 153.86             |         |        | 1      | 2      | 3      | 5      | 9      |        |        |         |
| 10                      | 15.0     | 176.63             |         |        | 1      | 2      | 3      | 4      | 8      | 11     |        |         |
| 16                      | 17.0     | 226.87             |         |        |        | 1      | 2      | 3      | 6      | 9      |        |         |
| 25                      | 20.5     | 329.90             |         |        |        | 1      | 2      | 2      | 4      | 6      | 8      |         |
| 35                      | 22.5     | 397.41             |         |        |        |        | 1      | 2      | 3      | 5      | 6      | 8       |
| 50                      | 26.0     | 530.66             |         |        |        |        |        | 1      | 3      | 4      | 5      | 6       |
| 70                      | 29.0     | 660.19             |         |        |        |        |        | 1      | 2      | 3      | 4      | 5       |
| 95                      | 33.0     | 854.87             |         |        |        |        |        |        | 2      | 2      | 3      | 4       |
| 120                     | 36.5     | 1045.82            |         |        |        |        |        |        | 1      | 2      | 2      | 3       |
| 150                     | 40.5     | 1287.60            |         |        |        |        |        |        | 1      | 2      | 2      | 2       |
| 185                     | 45.0     | 1589.63            |         |        |        |        |        |        |        | 1      | 2      | 2       |
| 240                     | 51.0     | 2041.79            |         |        |        |        |        |        |        | 1      | 1      | 2       |
| 300                     | 56.0     | 2461.76            |         |        |        |        |        |        |        |        | 1      | 1       |
| 400                     | 63.5     | 3165.32            |         |        |        |        |        |        |        |        |        | 1       |



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## CV - 3C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| CV-3C (0.6/1 kV ,90 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|-------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR               |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                    | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )      | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                         |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 1.5                     | 11.0     | 94.99              |           | 1         | 2         | 3         | 5         | 8         | 14        |           |           |            |
| 2.5                     | 12.0     | 113.04             |           | 1         | 2         | 3         | 4         | 7         | 12        |           |           |            |
| 4                       | 13.5     | 143.07             |           |           | 1         | 2         | 4         | 5         | 9         | 14        |           |            |
| 6                       | 14.5     | 165.05             |           |           | 1         | 2         | 3         | 5         | 8         | 12        |           |            |
| 10                      | 16.0     | 200.96             |           |           | 1         | 2         | 3         | 4         | 7         | 10        | 13        |            |
| 16                      | 18.0     | 254.34             |           |           |           | 1         | 2         | 3         | 5         | 8         | 10        | 12         |
| 25                      | 21.5     | 362.87             |           |           |           |           | 1         | 2         | 4         | 6         | 7         | 9          |
| 35                      | 24.0     | 452.16             |           |           |           |           | 1         | 2         | 3         | 4         | 6         | 7          |
| 50                      | 27.5     | 593.66             |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 70                      | 31.5     | 778.92             |           |           |           |           |           | 1         | 2         | 3         | 3         | 4          |
| 95                      | 35.5     | 989.30             |           |           |           |           |           |           | 1         | 2         | 3         | 3          |
| 120                     | 39.5     | 1224.80            |           |           |           |           |           |           | 1         | 2         | 2         | 3          |
| 150                     | 43.5     | 1485.42            |           |           |           |           |           |           |           | 1         | 2         | 2          |
| 185                     | 48.5     | 1846.52            |           |           |           |           |           |           |           | 1         | 1         | 2          |
| 240                     | 55.0     | 2374.63            |           |           |           |           |           |           |           |           | 1         | 1          |
| 300                     | 60.0     | 2826.00            |           |           |           |           |           |           |           |           |           | 1          |
| 400                     | 68.0     | 3629.84            |           |           |           |           |           |           |           |           |           | 1          |



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## CV - 4C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| CV-4C (0.6/1 kV ,90 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|-------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR               |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                    | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )      | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                         |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 1.5                     | 12.0     | 113.04             |           | 1         | 2         | 3         | 4         | 7         | 12        |           |           |            |
| 2.5                     | 13.0     | 132.67             |           | 1         | 1         | 2         | 4         | 6         | 10        |           |           |            |
| 4                       | 14.5     | 165.05             |           |           | 1         | 2         | 3         | 5         | 8         | 12        |           |            |
| 6                       | 16.0     | 200.96             |           |           | 1         | 2         | 3         | 4         | 7         | 10        |           |            |
| 10                      | 17.5     | 240.41             |           |           |           | 1         | 2         | 3         | 6         | 8         | 11        |            |
| 16                      | 19.5     | 298.50             |           |           |           | 1         | 2         | 3         | 4         | 7         | 9         |            |
| 25                      | 23.5     | 433.52             |           |           |           |           | 1         | 2         | 3         | 5         | 6         | 7          |
| 35                      | 26.5     | 551.27             |           |           |           |           | 1         | 1         | 2         | 4         | 5         | 6          |
| 50                      | 30.5     | 730.25             |           |           |           |           |           | 1         | 2         | 3         | 3         | 4          |
| 70                      | 35.0     | 961.63             |           |           |           |           |           |           | 1         | 2         | 3         | 3          |
| 95                      | 39.0     | 1193.99            |           |           |           |           |           |           | 1         | 2         | 2         | 3          |
| 120                     | 44.0     | 1519.76            |           |           |           |           |           |           | 1         | 1         | 2         | 2          |
| 150                     | 48.5     | 1846.52            |           |           |           |           |           |           |           | 1         | 1         | 2          |
| 185                     | 54.0     | 2289.06            |           |           |           |           |           |           |           | 1         | 1         | 1          |
| 240                     | 61.0     | 2920.99            |           |           |           |           |           |           |           |           | 1         | 1          |
| 300                     | 67.5     | 3576.66            |           |           |           |           |           |           |           |           |           | 1          |
| 400                     | 76.0     | 4534.16            |           |           |           |           |           |           |           |           |           | 1          |



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# VCT - 1C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| VCT SINGLE CORE (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|------------------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                          |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                               | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )                 | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                                    |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                                  | 8.6      | 58.1               | 1         | 2         | 3         | 6         | 9         | 14        |           |           |           |            |
| 6                                  | 9.4      | 69.4               | 1         | 2         | 3         | 5         | 7         | 11        | 19        |           |           |            |
| 10                                 | 12.0     | 113.0              |           | 1         | 2         | 3         | 4         | 7         | 12        | 18        | 23        |            |
| 16                                 | 13.5     | 143.1              |           |           | 1         | 2         | 4         | 5         | 9         | 14        | 18        | 22         |
| 25                                 | 16.0     | 201.0              |           |           | 1         | 2         | 3         | 4         | 7         | 10        | 13        | 16         |
| 35                                 | 17.5     | 240.4              |           |           |           | 1         | 2         | 3         | 6         | 8         | 11        | 13         |



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# VCT - 2C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| VCT-2C (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|---------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                 |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                      | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )        | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                           |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                         | 14.5     | 165.0              |           |           | 1         | 2         | 3         | 5         | 8         | 12        | 15        | 19         |
| 6                         | 16.0     | 201.0              |           |           | 1         | 2         | 3         | 4         | 7         | 10        | 13        | 16         |
| 10                        | 20.0     | 314.0              |           |           |           | 1         | 2         | 3         | 4         | 6         | 8         | 10         |
| 16                        | 23.0     | 415.3              |           |           |           |           | 1         | 2         | 3         | 5         | 6         | 8          |
| 25                        | 27.5     | 593.7              |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 35                        | 31.0     | 754.4              |           |           |           |           |           | 1         | 2         | 3         | 3         | 4          |

| VCT-2C/G (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|-----------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                   |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                        | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )          | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                             |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                           | 15.5     | 188.6              |           |           | 1         | 2         | 3         | 4         | 7         | 11        | 13        | 17         |
| 6                           | 17.5     | 240.4              |           |           |           | 1         | 2         | 3         | 6         | 8         | 11        | 13         |
| 10                          | 21.5     | 362.9              |           |           |           |           | 1         | 2         | 4         | 6         | 7         | 9          |
| 16                          | 25.0     | 490.6              |           |           |           |           | 1         | 2         | 3         | 4         | 5         | 6          |
| 25                          | 28.5     | 637.6              |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 35                          | 31.5     | 778.9              |           |           |           |           |           | 1         | 2         | 3         | 3         | 4          |



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# VCT - 3C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| VCT-3C (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|---------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                 |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                      | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )        | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                           |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                         | 15.5     | 188.6              |           |           | 1         | 2         | 3         | 4         | 7         | 11        | 13        | 17         |
| 6                         | 17.5     | 240.4              |           |           |           | 1         | 2         | 3         | 6         | 8         | 11        | 13         |
| 10                        | 21.5     | 362.9              |           |           |           |           | 1         | 2         | 4         | 6         | 7         | 9          |
| 16                        | 25.0     | 490.6              |           |           |           |           | 1         | 2         | 3         | 4         | 5         | 6          |
| 25                        | 30.0     | 706.5              |           |           |           |           |           | 1         | 2         | 3         | 4         | 4          |
| 35                        | 33.5     | 881.0              |           |           |           |           |           |           | 2         | 2         | 3         | 4          |

| VCT-3C/G (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|-----------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                   |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                        | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )          | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                             |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                           | 17.0     | 226.9              |           |           | 1         | 1         | 2         | 3         | 6         | 9         | 11        | 14         |
| 6                           | 19.5     | 298.5              |           |           |           | 1         | 2         | 3         | 4         | 7         | 9         | 11         |
| 10                          | 24.0     | 452.2              |           |           |           |           | 1         | 2         | 3         | 4         | 6         | 7          |
| 16                          | 28.0     | 615.4              |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 25                          | 33.0     | 854.9              |           |           |           |           |           | 1         | 2         | 2         | 3         | 4          |
| 35                          | 37.0     | 1074.7             |           |           |           |           |           |           | 1         | 2         | 2         | 3          |



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# VCT - 4C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| VCT-4C (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|---------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                 |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                      | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )        | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                           |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                         | 17.0     | 226.9              |           |           | 1         | 1         | 2         | 3         | 6         | 9         | 11        | 14         |
| 6                         | 19.5     | 298.5              |           |           |           | 1         | 2         | 3         | 4         | 7         | 9         | 11         |
| 10                        | 24.0     | 452.2              |           |           |           |           | 1         | 2         | 3         | 4         | 6         | 7          |
| 16                        | 28.0     | 615.4              |           |           |           |           |           | 1         | 2         | 3         | 4         | 5          |
| 25                        | 33.0     | 854.9              |           |           |           |           |           | 1         | 2         | 2         | 3         | 4          |
| 35                        | 37.0     | 1074.7             |           |           |           |           |           |           | 1         | 2         | 2         | 3          |

| VCT-4C/G (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|-----------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                   |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                        | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )          | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                             |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 4                           | 18.5     | 268.7              |           |           |           | 1         | 2         | 3         | 5         | 7         | 9         | 12         |
| 6                           | 21.5     | 362.9              |           |           |           | 1         | 1         | 2         | 4         | 6         | 7         | 9          |
| 10                          | 26.5     | 551.3              |           |           |           |           | 1         | 1         | 2         | 4         | 5         | 6          |
| 16                          | 30.5     | 730.2              |           |           |           |           |           | 1         | 2         | 3         | 3         | 4          |
| 25                          | 36.5     | 1045.8             |           |           |           |           |           |           | 1         | 2         | 2         | 3          |
| 35                          | 41.5     | 1352.0             |           |           |           |           |           |           | 1         | 1         | 2         | 2          |



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TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| NYY SINGLE CORE (450/750 V ,70 °C) |          |                    |         |        |        |        |        |        |        |        |        |         |
|------------------------------------|----------|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| CONDUCTOR                          |          |                    | CONDUIT |        |        |        |        |        |        |        |        |         |
| SIZE                               | DIAMETER | AREA               | 15 mm.  | 20 mm. | 25 mm. | 32 mm. | 40 mm. | 50 mm. | 65 mm. | 80 mm. | 90 mm. | 100 mm. |
| (mm <sup>2</sup> )                 | (mm)     | (mm <sup>2</sup> ) | 71      | 126    | 196    | 322    | 502    | 785    | 1327   | 2010   | 2543   | 3140    |
|                                    |          |                    | 1/2"    | 3/4"   | 1"     | 1 1/4" | 1 1/2" | 2"     | 2 1/2" | 3"     | 3 1/2" | 4"      |
| 1                                  | 8.8      | 60.8               | 1       | 2      | 3      | 5      | 8      | 13     | 22     |        |        |         |
| 1.5                                | 9.2      | 66.4               | 1       | 2      | 3      | 5      | 8      | 12     | 20     |        |        |         |
| 2.5                                | 9.8      | 75.4               |         | 2      | 3      | 4      | 7      | 10     | 18     | 27     |        |         |
| 4                                  | 10.5     | 86.5               |         | 1      | 2      | 4      | 6      | 9      | 15     | 23     |        |         |
| 6                                  | 11.0     | 95.0               |         | 1      | 2      | 3      | 5      | 8      | 14     | 21     | 27     |         |
| 10                                 | 12.0     | 113.0              |         | 1      | 2      | 3      | 4      | 7      | 12     | 18     | 23     |         |
| 16                                 | 13.0     | 132.7              |         |        | 1      | 2      | 4      | 6      | 10     | 15     | 19     | 24      |
| 25                                 | 14.5     | 165.0              |         |        | 1      | 2      | 3      | 5      | 8      | 12     | 15     | 19      |
| 35                                 | 16.0     | 201.0              |         |        | 1      | 2      | 3      | 4      | 7      | 10     | 13     | 16      |
| 50                                 | 17       | 226.9              |         |        |        | 1      | 2      | 3      | 6      | 9      | 11     | 14      |
| 70                                 | 19       | 283.4              |         |        |        | 1      | 2      | 3      | 5      | 7      | 9      | 11      |
| 95                                 | 21.5     | 362.9              |         |        |        |        | 1      | 2      | 4      | 6      | 7      | 9       |
| 120                                | 23.0     | 415.3              |         |        |        |        | 1      | 2      | 3      | 5      | 6      | 8       |
| 150                                | 26.0     | 530.7              |         |        |        |        |        | 1      | 3      | 4      | 5      | 6       |
| 185                                | 28.0     | 615.4              |         |        |        |        |        | 1      | 2      | 3      | 4      | 5       |
| 240                                | 31.5     | 778.9              |         |        |        |        |        | 1      | 2      | 3      | 3      | 4       |
| 300                                | 35.0     | 961.6              |         |        |        |        |        |        | 1      | 2      | 3      | 3       |
| 400                                | 38.5     | 1163.6             |         |        |        |        |        |        | 1      | 2      | 2      | 3       |
| 500                                | 43.0     | 1451.5             |         |        |        |        |        |        |        | 1      | 2      | 2       |



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## NYY - 2C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| NYY-2C (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|---------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                 |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                      | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )        | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                           |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 50                        | 33.5     | 881.0              |           |           |           |           |           |           | 2         | 2         | 3         | 4          |
| 70                        | 38.0     | 1133.5             |           |           |           |           |           |           | 1         | 2         | 2         | 3          |
| 95                        | 42.5     | 1417.9             |           |           |           |           |           |           |           | 1         | 2         | 2          |
| 120                       | 46.5     | 1697.4             |           |           |           |           |           |           |           | 1         | 1         | 2          |
| 150                       | 52.0     | 2122.6             |           |           |           |           |           |           |           |           | 1         | 1          |
| 185                       | 57.0     | 2550.5             |           |           |           |           |           |           |           |           | 1         | 1          |
| 240                       | 64.0     | 3215.4             |           |           |           |           |           |           |           |           |           | 1          |
| 300                       | 70.5     | 3901.6             |           |           |           |           |           |           |           |           |           |            |



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## NYY - 3C

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| NYY-3C (450/750 V ,70 °C) |          |                    |           |           |           |           |           |           |           |           |           |            |
|---------------------------|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| CONDUCTOR                 |          |                    | CONDUIT   |           |           |           |           |           |           |           |           |            |
| SIZE                      | DIAMETER | AREA               | 15<br>mm. | 20<br>mm. | 25<br>mm. | 32<br>mm. | 40<br>mm. | 50<br>mm. | 65<br>mm. | 80<br>mm. | 90<br>mm. | 100<br>mm. |
| (mm <sup>2</sup> )        | (mm)     | (mm <sup>2</sup> ) | 71        | 126       | 196       | 322       | 502       | 785       | 1327      | 2010      | 2543      | 3140       |
|                           |          |                    | 1/2"      | 3/4"      | 1"        | 1 1/4"    | 1 1/2"    | 2"        | 2 1/2"    | 3"        | 3 1/2"    | 4"         |
| 50                        | 36.0     | 1017.4             |           |           |           |           |           |           | 1         | 2         | 3         | 3          |
| 70                        | 40.5     | 1287.6             |           |           |           |           |           |           | 1         | 2         | 2         | 2          |
| 95                        | 46.0     | 1661.1             |           |           |           |           |           |           |           | 1         | 2         | 2          |
| 120                       | 50.5     | 2001.9             |           |           |           |           |           |           |           | 1         | 1         | 2          |
| 150                       | 56.0     | 2461.8             |           |           |           |           |           |           |           |           | 1         | 1          |
| 185                       | 61.0     | 2921.0             |           |           |           |           |           |           |           |           |           | 1          |
| 240                       | 69.0     | 3737.4             |           |           |           |           |           |           |           |           |           |            |
| 300                       | 76.0     | 4534.2             |           |           |           |           |           |           |           |           |           |            |



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TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| NYY-4C (450/750 V ,70 °C) |          |                    |         |        |        |        |        |        |        |        |        |         |
|---------------------------|----------|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| CONDUCTOR                 |          |                    | CONDUIT |        |        |        |        |        |        |        |        |         |
| SIZE                      | DIAMETER | AREA               | 15 mm.  | 20 mm. | 25 mm. | 32 mm. | 40 mm. | 50 mm. | 65 mm. | 80 mm. | 90 mm. | 100 mm. |
| (mm <sup>2</sup> )        | (mm)     | (mm <sup>2</sup> ) | 71      | 126    | 196    | 322    | 502    | 785    | 1327   | 2010   | 2543   | 3140    |
|                           |          |                    | 1/2"    | 3/4"   | 1"     | 1 1/4" | 1 1/2" | 2"     | 2 1/2" | 3"     | 3 1/2" | 4"      |
| 50                        | 39.5     | 1224.8             |         |        |        |        |        |        | 1      | 2      | 2      | 3       |
| 70                        | 44.5     | 1554.5             |         |        |        |        |        |        |        | 1      | 2      | 2       |
| 95                        | 51.5     | 2082.0             |         |        |        |        |        |        |        | 1      | 1      | 2       |
| 120                       | 56.0     | 2461.8             |         |        |        |        |        |        |        |        | 1      | 1       |
| 150                       | 62.0     | 3017.5             |         |        |        |        |        |        |        |        |        | 1       |
| 185                       | 68.0     | 3629.8             |         |        |        |        |        |        |        |        |        |         |
| 240                       | 76.5     | 4594.0             |         |        |        |        |        |        |        |        |        |         |
| 300                       | 85.0     | 5671.6             |         |        |        |        |        |        |        |        |        |         |



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# CVV

TABLE OF NOS. OF CABLE IN CONDUIT 40% FILLED

| CVV (600 V ,70 °C) |                                   |        |        |        |        |        |        |
|--------------------|-----------------------------------|--------|--------|--------|--------|--------|--------|
| SIZE<br>CORE       | CONDUCTOR AREA (mm <sup>2</sup> ) |        |        |        |        |        |        |
|                    | 0.5                               | 0.75   | 1.0    | 1.5    | 2.5    | 4.0    | 6.0    |
| CONDUIT            |                                   |        |        |        |        |        |        |
| 2                  | 1/2"                              | 1/2"   | 1/2"   | 1/2"   | 3/4"   | 3/4"   | 1"     |
| 3                  | 1/2"                              | 1/2"   | 1/2"   | 3/4"   | 3/4"   | 1"     | 1"     |
| 4                  | 1/2"                              | 3/4"   | 3/4"   | 3/4"   | 3/4"   | 1"     | 1 1/4" |
| 5                  | 3/4"                              | 3/4"   | 3/4"   | 3/4"   | 1"     | 1"     | 1 1/4" |
| 6                  | 3/4"                              | 3/4"   | 3/4"   | 3/4"   | 1"     | 1 1/4" | 1 1/4" |
| 7                  | 3/4"                              | 3/4"   | 3/4"   | 3/4"   | 1"     | 1 1/4" | 1 1/4" |
| 8                  | 3/4"                              | 3/4"   | 3/4"   | 1"     | 1"     | 1 1/4" | 1 1/2" |
| 9                  | 3/4"                              | 3/4"   | 1"     | 1"     | 1 1/4" | 1 1/4" | 1 1/2" |
| 10                 | 3/4"                              | 1"     | 1"     | 1"     | 1 1/4" | 1 1/2" | 1 1/2" |
| 11                 | 3/4"                              | 1"     | 1"     | 1"     | 1 1/4" | 1 1/2" | 1 1/2" |
| 12                 | 1"                                | 1"     | 1"     | 1 1/4" | 1 1/4" | 1 1/2" | 2"     |
| 13                 | 1"                                | 1"     | 1"     | 1 1/4" | 1 1/4" | 1 1/2" | 2"     |
| 14                 | 1"                                | 1"     | 1"     | 1 1/4" | 1 1/4" | 1 1/2" | 2"     |
| 15                 | 1"                                | 1"     | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2"     |
| 16                 | 1"                                | 1"     | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2"     |
| 17                 | 1"                                | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2"     |
| 18                 | 1"                                | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2"     |
| 19                 | 1"                                | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2"     |
| 20                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2 1/2" |
| 21                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2 1/2" |
| 22                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2 1/2" |
| 23                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2 1/2" |
| 24                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2"     | 2 1/2" |
| 25                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2"     | 2 1/2" |
| 26                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2"     | 2 1/2" |
| 27                 | 1 1/4"                            | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2 1/2" | 2 1/2" |
| 28                 | 1 1/4"                            | 1 1/4" | 1 1/2" | 1 1/2" | 2"     | 2 1/2" | 2 1/2" |
| 29                 | 1 1/4"                            | 1 1/4" | 1 1/2" | 1 1/2" | 2"     | 2 1/2" | 2 1/2" |
| 30                 | 1 1/4"                            | 1 1/4" | 1 1/2" | 1 1/2" | 2"     | 2 1/2" | 2 1/2" |

# TIEV

TABLE OF NOS. OF CABLE W CONDUIT 25% FILLED

| TIEV        |         |        |        |        |        |        |        |        |        |         |
|-------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| SIZE        | CONDUIT |        |        |        |        |        |        |        |        |         |
|             | 16 mm.  | 19 mm. | 25 mm. | 32 mm. | 38 mm. | 50 mm. | 60 mm. | 75 mm. | 90 mm. | 100 mm. |
|             | 1/2"    | 3/4"   | 1"     | 1 1/4" | 1 1/2" | 2"     | 2 1/2" | 3"     | 3 1/2" | 4"      |
| 0.5-2C      | 4       | 10     | 17     | 27     | 40     | 71     |        |        |        |         |
| 0.5-3C      | 4       | 9      | 16     | 25     | 36     | 65     |        |        |        |         |
| 0.5-4C      | 3       | 8      | 15     | 23     | 34     | 60     |        |        |        |         |
| 0.5-5C      | 3       | 6      | 12     | 19     | 27     | 49     |        |        |        |         |
| 0.5-6C      | 2       | 6      | 10     | 17     | 24     | 43     |        |        |        |         |
| 0.65-2C     | 3       | 7      | 14     | 21     | 31     | 56     |        |        |        |         |
| 0.65-3C     | 3       | 6      | 12     | 19     | 27     | 49     |        |        |        |         |
| 0.65-4C     | 2       | 6      | 10     | 17     | 24     | 43     |        |        |        |         |
| 0.65-5C     | 2       | 5      | 9      | 15     | 22     | 39     |        |        |        |         |
| 0.65-6C     | 1       | 4      | 7      | 12     | 17     | 31     |        |        |        |         |
|             |         |        |        |        |        |        |        |        |        |         |
| 5C-2V(RG6)  | 1       | 2      | 4      | 5      |        |        |        |        |        |         |
| 7C-2V(RG11) | 1       |        |        | 2      |        |        |        |        |        |         |
| 10C-2V      |         | 1      |        | 2      |        |        |        |        |        |         |



**ห้องไฟฟ้า (Electrical Room)**

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# TPEV

TABAL OF NOS. OF CABLE IN CONDUIT 25% FILLED

| TPEV         |                                   |        |        |
|--------------|-----------------------------------|--------|--------|
| SIZE<br>CORE | SECTIONAL AREA (mm <sup>2</sup> ) |        |        |
|              | 0.5                               | 0.65   | 0.9    |
| TPEV-3P      | 1/2"                              | 1/2"   | 3/4"   |
| TPEV-4P      | 1/2"                              | 1/2"   | 3/4"   |
| TPEV-5P      | 3/4"                              | 3/4"   | 3/4"   |
| TPEV-6P      | 3/4"                              | 3/4"   | 3/4"   |
| TPEV-8P      | 3/4"                              | 3/4"   | 3/4"   |
| TPEV-10P     | 3/4"                              | 3/4"   | 1"     |
| TPEV-11P     | 3/4"                              | 3/4"   | 1"     |
| TPEV-12P     | 3/4"                              | 3/4"   | 1"     |
| TPEV-15P     | 3/4"                              | 3/4"   | 1"     |
| TPEV-16P     | 3/4"                              | 3/4"   | 1"     |
| TPEV-20P     | 3/4"                              | 1"     | 1 1/4" |
| TPEV-21P     | 3/4"                              | 1"     | 1 1/4" |
| TPEV-25P     | 3/4"                              | 1"     | 1 1/4" |
| TPEV-30P     | 1"                                | 1"     | 1 1/2" |
| TPEV-40P     | 1"                                | 1 1/4" | 1 1/2" |
| TPEV-50P     | 1"                                | 1 1/4" | 2"     |



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