

# VAF, VAF-G (2แกน)



**ประเภท :** สายไฟฟ้าใช้งานที่แรงดันไฟฟ้าไม่เกิน

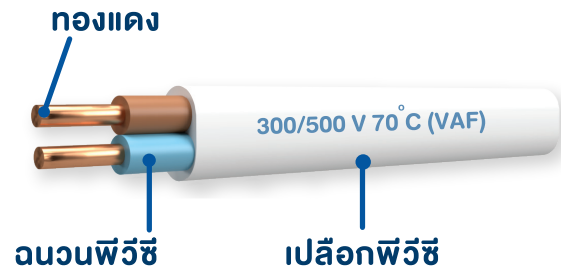
300/500 V และอุณหภูมิตัวนำไม่เกิน 70°C

ชนิดตัวนำ 2 แกน และมีสายดิน

**การใช้งาน :** นิยมติดตั้งแบบเดินในราง เดินลอยตึกกับ

หรือหุ้มฉนวนสายภายในอาคาร แต่ห้ามร้อยท่อเดิน

ลอยในอากาศ



มอก. 101-2559

สี : ○

| Nominal cross sectional area<br>(mm <sup>2</sup> ) | Class of conductor | Insulation thickness nominal<br>(mm) | Sheath thickness nominal<br>(mm) | Overall diameter |                 | Conductor resistance at 20°C maximum<br>(Ω/km) | Insulation resistance at 70°C minimum<br>(MΩ/km) | Continuous current rating in free air at 40°C maximum<br>(A) | Cable weight approx.<br>(kg/km) | Standard length<br>(m) |
|----------------------------------------------------|--------------------|--------------------------------------|----------------------------------|------------------|-----------------|------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|---------------------------------|------------------------|
|                                                    |                    |                                      |                                  | minimum<br>(mm)  | maximum<br>(mm) |                                                |                                                  |                                                              |                                 |                        |
| 1.5                                                | Solid              | 0.6                                  | 0.9                              | 4.0 x 6.2        | 4.7 x 7.4       | 18.1                                           | 0.0110                                           | 14                                                           | 48                              | 100/C                  |
| 1.5                                                | Solid              | 0.7                                  | 0.9                              | 4.4 x 7.0        | 5.4 x 8.4       | 12.1                                           | 0.0110                                           | 17                                                           | 64                              | 100/C                  |
| 2.5                                                | Solid              | 0.8                                  | 1.0                              | 5.2 x 8.4        | 6.2 x 9.8       | 7.41                                           | 0.0100                                           | 23                                                           | 95                              | 100/C                  |
| 4                                                  | Strand             | 0.8                                  | 1.1                              | 5.6 x 9.6        | 7.2 x 11.5      | 4.61                                           | 0.0077                                           | 32                                                           | 144                             | 100/C                  |
| 6                                                  | Strand             | 0.8                                  | 1.1                              | 6.4 x 10.5       | 8.0 x 13.0      | 3.08                                           | 0.0065                                           | 41                                                           | 188                             | 100/C                  |
| 10                                                 | Strand             | 1.0                                  | 1.2                              | 7.8 x 13.0       | 9.6 x 16.0      | 1.83                                           | 0.0065                                           | 56                                                           | 299                             | 100/C                  |
| 16                                                 | Strand             | 1.0                                  | 1.3                              | 9.0 x 15.5       | 11.0 x 18.5     | 1.15                                           | 0.0052                                           | 74                                                           | 438                             | 100/C                  |



มอก. 101-2559

2+G



สี : ○

| Nominal cross sectional area<br>(mm <sup>2</sup> ) |        | Class of conductor | Insulation thickness nominal<br>(mm) | Sheath thickness nominal<br>(mm) | Overall diameter |                 | Conductor resistance at 20°C maximum<br>(Ω/km) | Insulation resistance at 70°C minimum<br>(MΩ/km) | Continuous current rating in free air at 40°C maximum<br>(A) | Cable weight approx.<br>(kg/km) | Standard length<br>(m) |
|----------------------------------------------------|--------|--------------------|--------------------------------------|----------------------------------|------------------|-----------------|------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|---------------------------------|------------------------|
|                                                    |        |                    |                                      |                                  | minimum<br>(mm)  | maximum<br>(mm) |                                                |                                                  |                                                              |                                 |                        |
| Phase                                              | Ground |                    |                                      |                                  |                  |                 |                                                |                                                  |                                                              |                                 |                        |
| 1                                                  | 1      | Solid              | 0.6                                  | 0.9                              | 4.0 x 8.4        | 4.7 x 9.8       | 18.10                                          | 0.0110                                           | 14                                                           | 70                              | 100/C                  |
| 1.5                                                | 1.5    | Solid              | 0.7                                  | 0.9                              | 4.4 x 9.8        | 5.4 x 11.5      | 12.10                                          | 0.0110                                           | 17                                                           | 94                              | 100/C                  |
| 2.5                                                | 2.5    | Solid              | 0.8                                  | 1.0                              | 5.2 x 11.5       | 6.2 x 13.5      | 7.41                                           | 0.0100                                           | 23                                                           | 139                             | 100/C                  |
| 4                                                  | 4      | Strand             | 0.8                                  | 1.1                              | 5.8 x 13.4       | 7.4 x 16.5      | 4.61                                           | 0.0077                                           | 32                                                           | 208                             | 100/C                  |
| 6                                                  | 6      | Strand             | 0.8                                  | 1.1                              | 6.4 x 15.0       | 8.0 x 18.0      | 3.08                                           | 0.0065                                           | 41                                                           | 279                             | 100/C                  |
| 10                                                 | 10     | Strand             | 1.0                                  | 1.2                              | 7.8 x 19.0       | 9.6 x 22.5      | 1.83                                           | 0.0065                                           | 56                                                           | 446                             | 100/C                  |
| 16                                                 | 16     | Strand             | 1.0                                  | 1.3                              | 9.0 x 22.0       | 11.0 x 26.5     | 1.15                                           | 0.0052                                           | 74                                                           | 653                             | 500/D                  |

C : Packing in coil  
D : Packing in drum

“ ทุกเส้น เน้นคุณภาพ ”