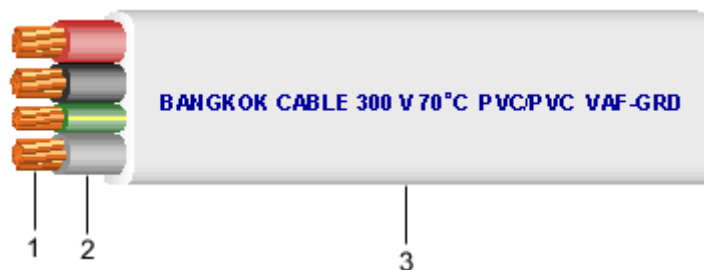


300 V 70°C VAF-GRD

TIS 11-2531, TABLE 11 (3 CORE)



Construction :

1. Conductor : Solid or concentric stranded annealed copper wires
2. Insulation : Polyvinyl chloride (PVC)
 Identification : Phase - Gray , Black and Red color
 Ground - Green/Yellow color
3. Sheath : Polyvinyl chloride (PVC), White color

Application :

For surface wiring, concealed wiring in wooden partition or above ceiling, embedded in plaster, dry location.

| Phase Conductor | | | Ground Conductor | | | Thickness of sheath | Overall diameter | | Current rating in air | Minimum insulation resistance (at 70°C) | Cable weight approx. | Standard Length |
|------------------------------------|---------------------|-------------------------|------------------------------------|---------------------|-------------------------|---------------------|------------------|-------------|-----------------------|---|----------------------|-----------------|
| Nominal cross-sectional area sq.mm | No. & dia. of wires | Thickness of insulation | Nominal cross-sectional area sq.mm | No. & dia. of wires | Thickness of insulation | | lower limit | upper limit | | | | |
| | No./mm | mm | | No./mm | mm | mm | mm | mm | A | Mohm-km | kg/km | m |
| 1 | 1/1.13 | 0.6 | 1 | 1/1.13 | 0.6 | 0.9 | 4.0 x 10.5 | 4.8 x 12.5 | 11 | 0.0115 | 95 | 100/C |
| 1 | 7/0.40 | 0.6 | 1 | 7/0.40 | 0.6 | 0.9 | 4.0 x 11.0 | 5.0 x 13.5 | 11 | 0.0110 | 95 | 100/C |
| 1.5 | 1/1.38 | 0.6 | 1 | 1/1.13 | 0.6 | 1.2 | 4.8 x 12.0 | 5.8 x 14.0 | 14 | 0.0100 | 130 | 100/C |
| 1.5 | 7/0.50 | 0.6 | 1 | 7/0.40 | 0.6 | 1.2 | 4.9 x 12.5 | 6.0 x 15.0 | 14 | 0.0094 | 130 | 100/C |
| 2.5 | 1/1.78 | 0.7 | 1.5 | 1/1.38 | 0.6 | 1.2 | 5.4 x 14.0 | 6.4 x 16.5 | 19 | 0.0092 | 180 | 100/C |
| 2.5 | 7/0.67 | 0.7 | 1.5 | 7/0.50 | 0.6 | 1.2 | 5.6 x 14.5 | 6.8 x 17.5 | 19 | 0.0084 | 180 | 100/C |
| 4 | 1/2.25 | 0.8 | 2.5 | 1/1.78 | 0.6 | 1.2 | 6.0 x 16.0 | 7.2 x 19.0 | 25 | 0.0086 | 260 | 100/C |
| 4 | 7/0.85 | 0.8 | 2.5 | 7/0.67 | 0.6 | 1.2 | 6.2 x 17.5 | 7.6 x 20.5 | 25 | 0.0078 | 260 | 100/C |
| 6 | 7/1.04 | 0.8 | 4 | 7/0.85 | 0.6 | 1.2 | 6.8 x 19.5 | 8.2 x 22.5 | 33 | 0.0066 | 370 | 100/C |
| 10 | 7/1.35 | 0.9 | 4 | 7/0.85 | 0.6 | 1.2 | 8.0 x 22.5 | 9.4 x 26.0 | 42 | 0.0059 | 520 | 100/C |
| 16 | 7/1.70 | 1.0 | 6 | 7/1.04 | 0.6 | 1.4 | 9.6 x 27.5 | 11.0 x 31.5 | 56 | 0.0053 | 860 | 100/C |