



VVF-GRD

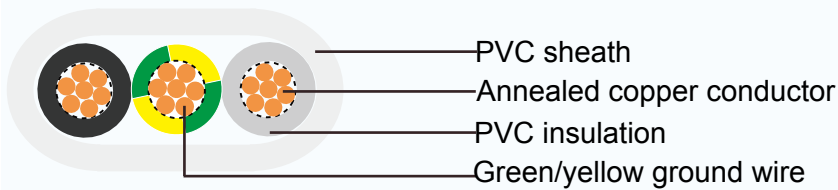
Application and Description:

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

Reference Standard:

TIS 11-2531

Cable Construction:



Conductor: Solid and stranded annealed copper, Sizes: 1 mm² up to 35 mm²

Insulation: Polyvinyl chloride (PVC)

Color : Light grey, Black, Ground core:Green/Yellow

Sheath: Polyvinyl chloride (PVC), white color

Technical Characteristics:

Maximum conductor temperature 70°C

Circuit voltage not exceeding 750 volts

Test voltage 2500 volts

Caledonian Cables Manufacture

Cable Parameter

| No. of cores | Conductor | | | Ground Conductor | | | Thick-ness of Sheath | Overall diameter | | Maximum continuous current rating in free air | Minimum insulation resistance (at 70°C) | Cable weight |
|--------------|-----------------|--------------------|---------------------------|------------------|--------------------|---------------------------|----------------------|------------------|-------------|---|---|--------------|
| | Size | No.& dia. of wires | Thick-ness of insula-tion | Size | No.& dia. of wires | Thick-ness of insula-tion | | Lower limit | Upper limit | | | |
| | mm ² | No./mm | mm | mm ² | No./mm | mm | | mm | mm | | | |
| 2+1 | 1 | 1/1.13 | 0.8 | 1 | 1/1.13 | 0.6 | 1.4 | 5.2 x 10.0 | 6.4 x 12.0 | 13 | 0.0141 | 100 |
| 2+1 | 1 | 7/0.40 | 0.8 | 1 | 7/0.40 | 0.6 | 1.4 | 5.4 x 10.0 | 6.6 x 12.5 | 13 | 0.0135 | 100 |
| 2+1 | 1.5 | 1/1.38 | 0.8 | 1 | 1/1.13 | 0.6 | 1.4 | 5.6 x 10.5 | 6.6 x 12.5 | 17 | 0.0123 | 120 |
| 2+1 | 1.5 | 7/0.50 | 0.8 | 1 | 7/0.40 | 0.6 | 1.4 | 5.6 x 11.0 | 7.0 x 13.0 | 17 | 0.0116 | 120 |
| 2+1 | 2.5 | 1/1.78 | 0.8 | 1.5 | 1/1.38 | 0.6 | 1.4 | 5.8 x 11.5 | 7.2 x 14.0 | 22 | 0.0102 | 150 |
| 2+1 | 2.5 | 7/0.67 | 0.8 | 1.5 | 7/0.50 | 0.6 | 1.4 | 6.2 x 12.0 | 7.4 x 14.5 | 22 | 0.0093 | 150 |
| 2+1 | 4 | 1/2.25 | 0.9 | 2.5 | 1/1.78 | 0.6 | 1.4 | 6.6 x 13.0 | 7.8 x 15.5 | 30 | 0.0094 | 210 |
| 2+1 | 4 | 7/0.85 | 0.9 | 2.5 | 7/0.67 | 0.6 | 1.4 | 6.8 x 14.0 | 8.2 x 16.5 | 30 | 0.0085 | 210 |
| 2+1 | 6 | 7/1.04 | 0.9 | 4 | 7/0.85 | 0.6 | 1.4 | 7.4 x 15.5 | 8.8 x 18.5 | 39 | 0.0073 | 290 |
| 2+1 | 10 | 7/1.35 | 1.1 | 4 | 7/0.85 | 0.6 | 1.5 | 8.8 x 18.5 | 10.5 x 21.5 | 53 | 0.0069 | 420 |
| 2+1 | 16 | 7/1.70 | 1.1 | 6 | 7/1.04 | 0.6 | 1.5 | 9.8 x 21.0 | 11.5 x 24.5 | 69 | 0.0057 | 590 |
| 2+1 | 25 | 7/2.14 | 1.3 | 6 | 7/1.04 | 0.6 | 1.6 | 11.5 x 24.5 | 13.5 x 28.0 | 92 | 0.0054 | 840 |
| 2+1 | 35 | 19/1.53 | 1.3 | 10 | 7/1.35 | 0.6 | 1.7 | 13.0 x 28.0 | 15.0 x 32.0 | 112 | 0.0047 | 1120 |

