

DESCRIPTION

NMD90 cables are of a 2 or 3 conductor construction with an additional copper ground wire. The conductors feature a PVC insulation with a protective nylon coating layer. Wire sizes 14 through 10 have solid copper conductors while sizes 8 and 6 are a stranded copper construction (7 strands). The 3 AWG size is supplied as a 3 conductor stranded construction. This product is RoHS compliant.

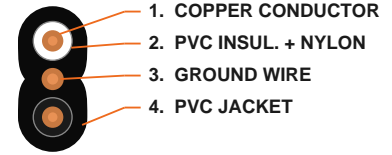
SUNLIGHT RESISTANCE

NMD90 cables are intended for interior residential wiring and are not rated for sunlight exposure. Jacket colours are coded by conductor size (e.g. white, yellow, orange) for quick identification on the job site.

APPLICATIONS

This cable is approved for use in dry locations when exposed and dry or damp locations when concealed. The minimum recommended handling temperature is -25°C for 2 conductor cables and -10°C for 3 conductor cables, assuming suitable handling procedures. The maximum conductor temperature should not exceed 90°C.

NMD90 – 2 CONDUCTOR



NMD90 – 3 CONDUCTOR



| COND SIZE | | # OF COND | MIN. INSUL. | | MIN. NYLON | | MIN. JACKET | | GND WIRE | | OVERALL DIA. | | WEIGHT | | AMPS 30°C |
|-----------|-----------------|-----------|-------------|------|------------|------|-------------|------|----------|-----------------|--------------|-------|------------|-------|-----------|
| AWG | mm ² | | inch | mm | inch | mm | inch | mm | AWG | mm ² | inch | mm | lbs/1000ft | kg/km | A |
| 14 | 2.08 | 2 | 0.030 | 0.76 | 0.004 | 0.10 | 0.030 | 0.76 | 14 | 2.08 | 0.388 | 9.86 | 68 | 101 | 25 |
| 14 | 2.08 | 3 | 0.030 | 0.76 | 0.004 | 0.10 | 0.030 | 0.76 | 14 | 2.08 | 0.345 | 8.77 | 86 | 128 | 25 |
| 12 | 3.31 | 2 | 0.030 | 0.76 | 0.004 | 0.10 | 0.030 | 0.76 | 14 | 2.08 | 0.422 | 10.71 | 86 | 129 | 30 |
| 12 | 3.31 | 3 | 0.030 | 0.76 | 0.004 | 0.10 | 0.030 | 0.76 | 14 | 2.08 | 0.381 | 9.69 | 114 | 169 | 30 |
| 10 | 5.26 | 2 | 0.030 | 0.76 | 0.004 | 0.10 | 0.030 | 0.76 | 12 | 3.31 | 0.481 | 12.21 | 122 | 182 | 40 |
| 10 | 5.26 | 3 | 0.030 | 0.76 | 0.004 | 0.10 | 0.030 | 0.76 | 12 | 3.31 | 0.427 | 10.85 | 163 | 242 | 40 |
| 8 | 8.37 | 2 | 0.035 | 0.89 | 0.006 | 0.15 | 0.045 | 1.14 | 10 | 5.26 | 0.636 | 16.15 | 208 | 310 | 55 |
| 8 | 8.37 | 3 | 0.035 | 0.89 | 0.006 | 0.15 | 0.045 | 1.14 | 10 | 5.26 | 0.570 | 14.47 | 275 | 408 | 55 |
| 6 | 13.3 | 2 | 0.045 | 1.14 | 0.060 | 0.15 | 0.045 | 1.14 | 8 | 8.37 | 0.792 | 20.12 | 315 | 468 | 75 |
| 6 | 13.3 | 3 | 0.045 | 1.14 | 0.060 | 0.15 | 0.045 | 1.14 | 8 | 8.37 | 0.695 | 17.65 | 421 | 627 | 75 |
| 3 | 26.7 | 3 | 0.051 | 1.30 | 0.060 | 0.15 | 0.080 | 2.03 | 6 | 13.3 | 0.925 | 23.48 | 799 | 1189 | 115 |

PRINT / MARKINGS

##AWG #.##mm² NMD90 NYLON CABLES PTI CABLES INC. FT1 300V -25°C CSA
DD/MM/YY HH:MM ##AWG #.##mm²

