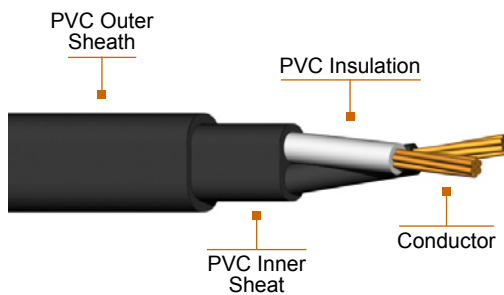


PD-NYY (Table 7 of TIS 11-2531 Standard)

750 V 70 °C PVC Insulated and Double Sheathed, Two Core



Detail Description or Construction

Conductor

Annealed copper, solid or stranded sizes 1 mm² up to 300 mm²

Insulation

Heat resistant Polyvinyl Chloride (Grey and Black color)

Inner Sheath

Heat resistant Polyvinyl Chloride (Black color)

Outer Sheath

Heat resistant Polyvinyl Chloride (Black color)

Application

Feeder, branch circuit cable, maximum conductor temperature 70°C, circuit voltage does not exceed 750 volts.

Standards / Testing Specifications

- PD-NYY meets or exceeds applicable TIS 11-2531 standards and requirements of Thai Industrial Standard.

Marking

PHELPS DODGE 2x(SIZE) SQ.MM.
PD-NYY 750V PVC 70C Ⓢ TIS 11-2531
TABLE 7.

Installation

For installation exposed, or in raceway, wet or dry location, or direct burial in ground.



PD-NYY (Table 7 of TIS 11-2531 Standard)

750 V 70 °C PVC Insulated and Double Sheathed, Two Core

| PHELPS DODGE TYPE LETTER | Nominal Sectional Area | Number & Diameter of Wire | Thickness of Insulation | Thickness of Inner Sheath | Thickness of Outer Sheath | Overall Diameter | Allowable Ampacities Free Air @ 40°C | Minimum Insulation Resistance @ 70°C | Cable Weight (approx) | Standard Packing |
|--------------------------------|------------------------------|---------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------|---|---|-----------------------------|---------------------|
| | mm ² | No. / mm | mm | mm | mm | mm | A | MΩ - km | kg / km | m |
| 2 x 1 PD-NYY | 1 | 1/1.13 | 0.8 | 0.8 | 1.8 | 12.0 | 13 | 0.0141 | 160 | 500/R |
| 2 x 1 PD-NYY | 1 | 7/0.40 | 0.8 | 0.8 | 1.8 | 12.5 | 13 | 0.0135 | 160 | 500/R |
| 2 x 1.5 PD-NYY | 1.5 | 1/1.38 | 0.8 | 0.8 | 1.8 | 12.5 | 17 | 0.0123 | 180 | 500/R |
| 2 x 1.5 PD-NYY | 1.5 | 7/0.50 | 0.8 | 0.8 | 1.8 | 13.0 | 17 | 0.0116 | 180 | 500/R |
| 2 x 2.5 PD-NYY | 2.5 | 1/1.78 | 0.8 | 0.8 | 1.8 | 13.5 | 23 | 0.0102 | 210 | 500/R |
| 2 x 2.5 PD-NYY | 2.5 | 7/0.67 | 0.8 | 0.8 | 1.8 | 14.0 | 23 | 0.0093 | 210 | 500/R |
| 2 x 4 PD-NYY | 4 | 1/2.25 | 0.9 | 0.8 | 1.8 | 15.0 | 30 | 0.0094 | 280 | 500/R |
| 2 x 4 PD-NYY | 4 | 7/0.85 | 0.9 | 0.8 | 1.8 | 15.5 | 30 | 0.0085 | 280 | 500/R |
| 2 x 6 PD-NYY | 6 | 7/1.04 | 0.9 | 0.8 | 1.8 | 17.0 | 40 | 0.0073 | 370 | 500/R |
| 2 x 10 PD-NYY | 10 | 7/1.35 | 1.1 | 0.8 | 1.8 | 19.5 | 55 | 0.0069 | 530 | 500/R |
| 2 x 16 PD-NYY | 16 | 7/1.70 | 1.1 | 0.8 | 2.0 | 22.5 | 74 | 0.0057 | 720 | 500/R |
| 2 x 25 PD-NYY | 25 | 7/2.14 | 1.3 | 1.2 | 2.0 | 27.0 | 97 | 0.0054 | 1,090 | 500/R |
| 2 x 35 PD-NYY | 35 | 19/1.53 | 1.3 | 1.2 | 2.0 | 29.5 | 120 | 0.0047 | 1,360 | 500/R |
| 2 x 50 PD-NYY | 50 | 19/1.78 | 1.5 | 1.2 | 2.2 | 33.5 | 146 | 0.0046 | 1,880 | 500/R |
| 2 x 70 PD-NYY | 70 | 19/2.14 | 1.5 | 1.5 | 2.2 | 38.0 | 185 | 0.0039 | 2,430 | 500/R |
| 2 x 95 PD-NYY | 95 | 19/2.52 | 1.7 | 1.5 | 2.2 | 42.5 | 224 | 0.0038 | 3,220 | 500/R |
| 2 x 120 PD-NYY | 120 | 37/2.03 | 1.7 | 1.5 | 2.4 | 46.5 | 260 | 0.0034 | 3,940 | 500/R |
| 2 x 150 PD-NYY | 150 | 37/2.25 | 1.9 | 1.8 | 2.6 | 52.0 | 299 | 0.0034 | 4,840 | 300/R |
| 2 x 185 PD-NYY | 185 | 37/2.52 | 2.1 | 1.8 | 2.8 | 57.0 | 341 | 0.0034 | 5,970 | 300/R |
| 2 x 240 PD-NYY | 240 | 61/2.25 | 2.3 | 2.0 | 3.0 | 64.0 | 401 | 0.0033 | 7,700 | 250/R |
| 2 x 300 PD-NYY | 300 | 61/2.52 | 2.5 | 2.0 | 3.2 | 70.5 | 461 | 0.0032 | 9,450 | 200/R |

C = Packing in coil
R = Packing in reel