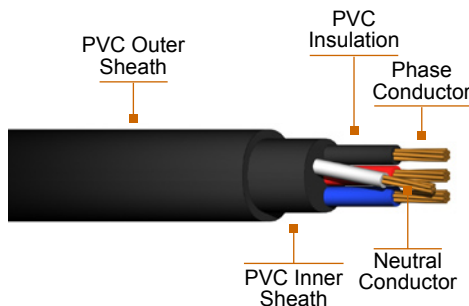


## PD-NYY-N (Table 8 of TIS 11-2531 Standard)

750 V 70°C PVC Insulated and Double Sheathed, Three Phase with Neutral



### Detail Description or Construction

#### Conductor

Annealed copper, concentric stranded sizes 6 mm<sup>2</sup> up to 300 mm<sup>2</sup> (Phase) sizes 4 mm<sup>2</sup> up to 150 mm<sup>2</sup> (Neutral)

#### Insulation

Heat resistant Polyvinyl Chloride (Phase: Black, Red and Blue color, Neutral: Grey color)

#### Inner Sheath

Heat resistant Polyvinyl Chloride (Black color)

#### Outer Sheath

Heat resistant Polyvinyl Chloride (Black color)

### Application

Feeder, branch circuit cable (for 3 phase, 4 wire system), maximum conductor temperature 70°C, circuit voltage does not exceed 750 volts.

### Standards / Testing Specifications

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

### Marking

PHELPS DODGE 3x(PHASE SIZE)/ (NEUTRAL SIZE) SQ.MM. PD-NYY-N 750V PVC 70°C ⊕ TIS 11-2531 TABLE 8.

### Installation

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



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PHELPS DODGE TYPE LETTER		Phase Core			Neutral Core		
		Nominal Sectional Area	Number & Diameter of Wire	Thickness of Insulation	Nominal Sectional Area	Number & Diameter of Wire	Thickness of Insulation
		mm <sup>2</sup>	No. / mm	mm	mm <sup>2</sup>	No. / mm	mm
3x6/4	PD-NYY-N	6	7/1.04	0.9	4	7/0.85	0.9
3x10/6	PD-NYY-N	10	7/1.35	1.1	6	7/1.04	0.9
3x16/10	PD-NYY-N	16	7/1.70	1.1	10	7/1.35	1.1
3x25/16	PD-NYY-N	25	7/2.14	1.3	16	7/1.70	1.1
3x35/16	PD-NYY-N	35	19/1.53	1.3	16	7/1.70	1.1
3x50/25	PD-NYY-N	50	19/1.78	1.5	25	7/2.14	1.3
3x70/35	PD-NYY-N	70	19/2.14	1.5	35	19/1.53	1.3
3x95/50	PD-NYY-N	95	19/2.52	1.7	50	19/1.78	1.5
3x120/70	PD-NYY-N	120	37/2.03	1.7	70	19/2.14	1.5
3x150/70	PD-NYY-N	150	37/2.25	1.9	70	19/2.14	1.5
3x185/95	PD-NYY-N	185	37/2.52	2.1	95	19/2.52	1.7
3x240/120	PD-NYY-N	240	61/2.25	2.3	120	37/2.03	1.7
3x300/150	PD-NYY-N	300	61/2.52	2.5	150	37/2.25	1.9

C = Packing in coil  
R = Packing in reel



## PD-NYY-N (Table 8 of TIS 11-2531 Standard)

750 V 70°C PVC Insulated and Double Sheathed, Three Phase with Neutral

PHELPS DODGE TYPE LETTER		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	mm	mm	A	MΩ - km	kg / km	m
3x6/4	PD-NYY-N	0.8	1.8	19.0	36	0.0073	520	500/R
3x10/6	PD-NYY-N	0.8	2.0	23.0	50	0.0069	760	500/R
3x16/10	PD-NYY-N	1.2	2.0	26.5	66	0.0057	1,100	500/R
3x25/16	PD-NYY-N	1.2	2.0	31.0	84	0.0054	1,570	500/R
3x35/16	PD-NYY-N	1.5	2.2	35.0	104	0.0047	2,000	500/R
3x50/25	PD-NYY-N	1.5	2.2	39.5	125	0.0046	2,770	500/R
3x70/35	PD-NYY-N	1.5	2.4	44.5	160	0.0039	3,600	500/R
3x95/50	PD-NYY-N	1.8	2.6	51.5	194	0.0038	4,890	500/R
3x120/70	PD-NYY-N	1.8	2.8	56.0	225	0.0034	6,050	300/R
3x150/70	PD-NYY-N	2.0	3.0	62.0	256	0.0034	7,200	300/R
3x185/95	PD-NYY-N	2.0	3.2	68.0	297	0.0034	9,000	200/R
3x240/120	PD-NYY-N	2.2	3.4	76.5	351	0.0033	11,530	200/R
3x300/150	PD-NYY-N	2.2	3.8	84.5	404	0.0032	14,290	150/R

C = Packing in coil  
R = Packing in reel