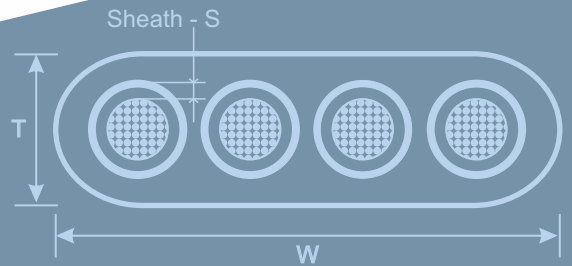
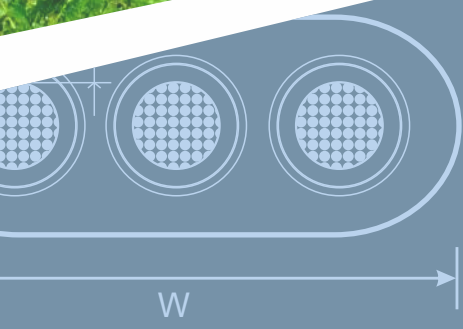


## Flat Jacketed Submersible Pump Cable

Heavy Duty  
PVC / RUBBER



## FLAT JACKETED SUBMERSIBLE PUMP CABLE

3 CORE / 4 CORE

MODEL CODE

PVC / RUBBER

**NC**   **F**   **P**   **4**   **14**   **0250**   **C**

### Packaging

Code	Type
C	Coil
R	Reel

### Cable length

Code	Length
0250	250 feet
0500	500 feet
1000	1000 feet

### Cable size

Code	AWG
14	14
12	12
10	10
08	8
06	6
04	4
02	2
01	1

### Cable core

Code	Nos. of Core
3	3 core
4	4 core

### Material of construction

Code	Material
P	PVC
R	Rubber

### Cable type

Code	Type
F	Flat jacketed

### Series name

Code	Series
NC	Submersible pump cable

## FLAT JACKETED SUBMERSIBLE PUMP CABLE

### HEAVY DUTY

### GENERAL DATA

### PVC & RUBBER

#### FEATURES

- ▶ Operating temperature range  
**PVC** : -95°F (-35°C) to 167°F (75°C)  
**RUBBER** : -149°F (-65°C) to 239°F (115°C)
- ▶ The insulation used on cables is abrasion resistant.
- ▶ The cables can work submerged in water and are resistant to exposure to sunlight.
- ▶ Cables are marked sequentially for length and specification.
- ▶ The cables are available in standard packings as mentioned below. Special length or packaging can be provided on request.
- ▶ Outer sheath Color Blue for Rubber cable.
- ▶ Outer sheath Color Grey for PVC cable.

#### APPLICATIONS

- ▶ Northam submersible cables are designed and manufactured for wiring of ground water submersible pumps.

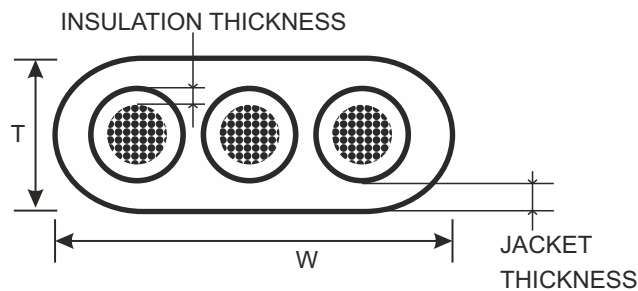
#### TECHNICAL SPECIFICATIONS

- ▶ Cables are manufactured using bare stranded and annealed electrical grade copper conductors and are rated at 600 Volts. They are insulated with a specially compounded PVC / Rubber insulation material.

#### STANDARD LENGTH CABLE PACKING

- ▶ 250 Feet in coil, 500 and 1000 Feet in wooden reel.

### 3 CORE CABLE



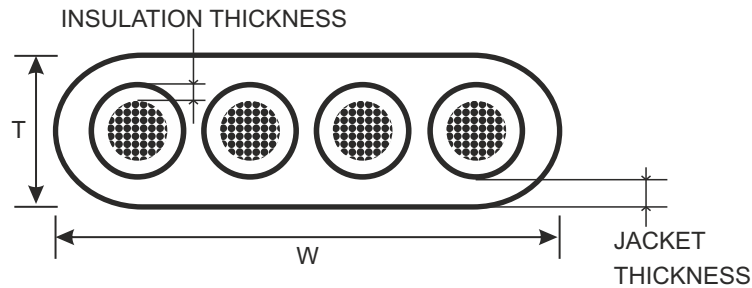
#### 3 CORE CABLE DIMENSIONS CHART

AWG	Stranding Nos / in	Insulation Thickness	Jacket Thickness	W	T	Part Number	
						PVC	RUBBER
14/2 with Ground	41/0.010	0.045	0.045	0.596	0.258	NCF-P-3-14-0250-C	NCF-R-3-14-0250-C
						NCF-P-3-14-0500-R	NCF-R-3-14-0500-R
						NCF-P-3-14-1000-R	NCF-R-3-14-1000-R
12/2 with Ground	65/0.010	0.045	0.045	0.667	0.282	NCF-P-3-12-0250-C	NCF-R-3-12-0250-C
						NCF-P-3-12-0500-R	NCF-R-3-12-0500-R
						NCF-P-3-12-1000-R	NCF-R-3-12-1000-R
10/2 with Ground	105/0.010	0.045	0.045	0.737	0.305	NCF-P-3-10-0250-C	NCF-R-3-10-0250-C
						NCF-P-3-10-0500-R	NCF-R-3-10-0500-R
						NCF-P-3-10-1000-R	NCF-R-3-10-1000-R

Note : Two conductor cable: Black, White and Green as ground.  
 All Dimensions are in Inches.

## FLAT JACKETED SUBMERSIBLE PUMP CABLE

### 4 CORE CABLE



### 4 CORE CABLE DIMENSIONS CHART

AWG	Stranding Nos / in	Insulation Thickness	Jacket Thickness	W	T	Part Number	
						PVC	Rubber
14/3 with Ground	41/0.010	0.045	0.045	0.764	0.258	NCF-P-4-14-0250-C	NCF-R-4-14-0250-C
						NCF-P-4-14-0500-R	NCF-R-4-14-0500-R
						NCF-P-4-14-1000-R	NCF-R-4-14-1000-R
12/3 with Ground	65/0.010	0.045	0.045	0.859	0.282	NCF-P-4-12-0250-C	NCF-R-4-12-0250-C
						NCF-P-4-12-0500-R	NCF-R-4-12-0500-R
						NCF-P-4-12-1000-R	NCF-R-4-12-1000-R
10/3 with Ground	105/0.010	0.045	0.045	0.953	0.305	NCF-P-4-10-0250-C	NCF-R-4-10-0250-C
						NCF-P-4-10-0500-R	NCF-R-4-10-0500-R
						NCF-P-4-10-1000-R	NCF-R-4-10-1000-R
8/3 with #10 Ground	168/0.010 (8 ga) 105/0.010 (10 ga)	0.060	0.050	1.219	0.401	NCF-P-4-8-0250-R	NCF-R-4-8-0250-R
						NCF-P-4-8-0500-R	NCF-R-4-8-0500-R
6/3 with # 8 Ground	266/0.010 (6 ga) 168/0.010 (8 ga)	0.060	0.050	1.422	0.440	NCF-P-4-6-0250-R	NCF-R-4-6-0250-R
						NCF-P-4-6-0500-R	NCF-R-4-6-0500-R
4/3 with # 8 Ground	420/0.010 (4 ga) 168/0.010 (8 ga)	0.060	0.050	1.635	0.511	NCF-P-4-4-0250-R	NCF-R-4-4-0250-R
						NCF-P-4-4-0500-R	NCF-R-4-4-0500-R
2/3 with # 6 Ground	665/0.010 (2 ga) 266/0.010 (6 ga)	0.060	0.065	1.857	0.572	NCF-P-4-2-0250-R	NCF-R-4-2-0250-R
						NCF-P-4-2-0500-R	NCF-R-4-2-0500-R
1/3 with # 6 Ground	1045/0.010 (1 ga) 266/0.010 (6 ga)	0.079	0.059	2.157	0.685	NCF-P-4-1-0250-R	NCF-R-4-1-0250-R
						NCF-P-4-1-0500-R	NCF-R-4-1-0500-R

Note : Three conductor cable: Black, Yellow, Red and Green as ground.  
All Dimensions are in Inches.

## FLAT JACKETED SUBMERSIBLE PUMP CABLE

### 3 CORE PVC CABLE PACKAGING DATA

Cable Size	Standard Package		Reel details		Coil weight LBS	Reel weight LBS	
	Coil (Feet)	Reel (Feet)	500 Feet	1000 Feet	250 Feet	500 Feet	1000 Feet
14/2 with Ground	250	500 / 1000	N16	N23	27	75	139
12/2 with Ground	250	500 / 1000	N18	N23	36	99	178
10/2 with Ground	250	500 / 1000	N23	N24	56	144	181

### 3 CORE RUBBER CABLE PACKAGING DATA

Cable Size	Standard Package		Reel details		Coil weight LBS	Reel weight LBS	
	Coil (Feet)	Reel (Feet)	500 Feet	1000 Feet	250 Feet	500 Feet	1000 Feet
14/2 with Ground	250	500 / 1000	N16	N23	18	57	103
12/2 with Ground	250	500 / 1000	N18	N23	27	79	139
10/2 with Ground	250	500 / 1000	N23	N24	40	114	198

### 4 CORE PVC CABLE PACKAGING DATA

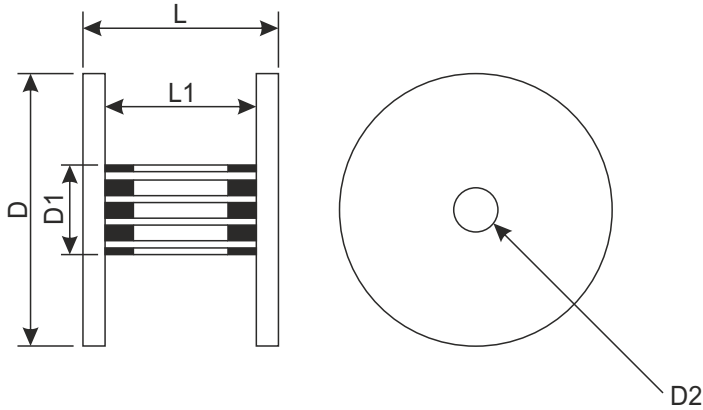
Cable Size	Standard Package		Reel details		Coil weight LBS	Reel weight LBS	
	Coil (Feet)	Reel (Feet)	500 Feet	1000 Feet	250 Feet	500 Feet	1000 Feet
14/3 with Ground	250	500 / 1000	N16	N23	37	95	180
12/3 with Ground	250	500 / 1000	N18	N23	54	134	248
10/3 with Ground	250	500 / 1000	N23	N24	72	177	214
8/3 with #10 Ground	*	500 / 1000	N23	N27	*	266	511
6/3 with # 8 Ground	*	500 / 1000	N27	N30	*	384	738
4/3 with # 8 Ground	*	500 / 1000	N27	N32	*	554	1077
2/3 with # 6 Ground	*	500 / 1000	N32	N40			
1/3 with # 6 Ground	*	500 / 1000	N36	N42			

### 4 CORE RUBBER CABLE PACKAGING DATA

Cable Size	Standard Package		Reel details		Coil weight LBS	Reel weight LBS	
	Coil (Feet)	Reel (Feet)	500 Feet	1000 Feet	250 Feet	500 Feet	1000 Feet
14/3 with Ground	250	500 / 1000	N16	N23	25	72	134
12/3 with Ground	250	500 / 1000	N18	N23	37	101	183
10/3 with Ground	250	500 / 1000	N23	N24	53	139	250
8/3 with #10 Ground	*	500 / 1000	N23	N27	*	199	375
6/3 with # 8 Ground	*	500 / 1000	N27	N30	*	291	545
4/3 with # 8 Ground	*	500 / 1000	N27	N32	*	417	802
2/3 with # 6 Ground	*	500 / 1000	N32	N40			
1/3 with # 6 Ground	*	500 / 1000	N36	N42			

## FLAT JACKETED SUBMERSIBLE PUMP CABLE

### CABLE REEL DIMENSION DATA



L = Outside Width  
 L1 = Traverse Width  
 D = Flange Diameter  
 D1 = Drum Diameter  
 D2 = Arbor Hole Diameter

REEL	L	L1	D	D1	D2	Weight (lbs)
N16	12-1/4"	11"	16"	5"	2"	22
N18	13"	12"	18"	5"	2"	27
N23	13-1/4"	12"	24"	10"	3"	33
N24	19-1/4"	18"	24"	10"	3"	38
N27	21-1/4"	18"	27"	12"	3"	44
N30	21"	18"	30"	12"	3"	51
N32	28-1/4"	24"	32"	14"	3"	58
N36	26"	22"	36"	14"	3"	62
N40	28-1/4"	24"	40"	17"	3"	77
N42	27"	22"	42"	16"	3"	82

Note : All Dimensions are in Inches

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*Product Improvement and changes are a continuous process at 'Northam'. The data given in this publication is therefore subject to revision.*