

(Garuda)

Licence No. M 475-7269/11

Form IS 4

### LICENCE

TO MANUFACTURE THE INDUSTRIAL PRODUCTS PRESCRIBED BY  
THE ROYAL DECREE TO BE IN CONFORMITY WITH THE STANDARD

By virtue of the Industrial Product Standards Act, B.E.2511(1968),  
the Industrial Product Standards Council  
issues this licence to

Thaiunion Wire Co.,Ltd.

to manufacture only the industrial product polyvinyl chloride insulated cables

..... details as given in  
the attachment manufactured in conformity with the Thai Industrial Standard for Polyvinyl Chloride  
Insulated Cables of Rated Voltages up to and Including 450/750 V - Part 101: Sheathed  
Cables for General Purposes No. TIS 11 Part 101-2553(2010)

trade mark

manufactured at the factory named Thaiunion Wire Co.,Ltd.

situated at address 9/16 Phetkasem Road, Commune No.3, Aom Yai, Sam Phran District

Province Nakhon Pathom Factory Registration No. PIO 3-74(2)-1/51 NT

Provided that the conditions for licensing set by the Council are complied with.

Translation approved

Given on 7 July B.E. 2557(2014)

*Thitima Hoonswan*  
Thitima Hoonswan (Mrs.)  
Director, International Affairs Division  
Thai Industrial Standards Institute  
Date 29 / 10 / 2015

(Signature)

(Mr. Urit Srinongkote)  
Secretary-General  
Thai Industrial Standards Institute

Thai Industrial Standards Institute  
Ministry of Industry

Licencee's tax identification  
number: 0745535001523

Warning:  
Licensee has an obligation to fulfil conditions set by the Council.

**Attachment to Licence to Manufacture the Industrial Products Prescribed by  
The Royal Decree to be in Conformity with the Standard No. M 475-7269/11**

Item No.	Details of the Licensed Industrial Product (specify class, class, size, grade, etc.)
1	insulated and sheathed cables; flat two-core; code designation VAF; rated voltage 300/500 V; for conductor class 1; nominal cross-sectional area of conductors: $2 \times 1 \text{ mm}^2$ , $2 \times 1.5 \text{ mm}^2$ and $2 \times 2.5 \text{ mm}^2$
2	insulated and sheathed cables; flat two-core; with ground conductors; code designation VAF-G; rated voltage 300/500 V; for conductor class 1; nominal cross-sectional area of conductors: $2 \times 1/1 \text{ mm}^2$ , $2 \times 1.5/1.5 \text{ mm}^2$ and $2 \times 2.5/2.5 \text{ mm}^2$
3	insulated and sheathed cables; flat two-core; code designation VAF; rated voltage 300/500 V; for conductor class 2; nominal cross-sectional area of conductors: $2 \times 4 \text{ mm}^2$ , $2 \times 6 \text{ mm}^2$ , $2 \times 10 \text{ mm}^2$ and $2 \times 16 \text{ mm}^2$
4	insulated and sheathed cables; flat two-core; with ground conductors; code designation VAF-G; rated voltage 300/500 V; for conductor class 2; nominal cross-sectional area of conductors: $2 \times 4/4 \text{ mm}^2$ , $2 \times 6/6 \text{ mm}^2$ , $2 \times 10/10 \text{ mm}^2$ and $2 \times 16/16 \text{ mm}^2$
5	insulated cables with inner and outer sheath; code designation NYY; rated voltage 450/750 V; for conductor class 2; nominal cross-sectional area of conductors: $1 \times 150 \text{ mm}^2$ , $1 \times 185 \text{ mm}^2$ , $1 \times 240 \text{ mm}^2$ , $1 \times 300 \text{ mm}^2$ , $1 \times 400 \text{ mm}^2$ and $1 \times 500 \text{ mm}^2$
6	insulated cables with inner and outer sheath; code designation NYY; rated voltage 450/750 V; for conductor class 2; nominal cross-sectional area of conductors: $2 \times 50 \text{ mm}^2$ , $2 \times 70 \text{ mm}^2$ , $2 \times 95 \text{ mm}^2$ , $2 \times 120 \text{ mm}^2$ , $2 \times 150 \text{ mm}^2$ , $2 \times 185 \text{ mm}^2$ , $2 \times 240 \text{ mm}^2$ , $2 \times 300 \text{ mm}^2$ , $3 \times 50 \text{ mm}^2$ , $3 \times 70 \text{ mm}^2$ , $3 \times 95 \text{ mm}^2$ , $3 \times 120 \text{ mm}^2$ , $3 \times 150 \text{ mm}^2$ , $3 \times 185 \text{ mm}^2$ , $3 \times 240 \text{ mm}^2$ , $3 \times 300 \text{ mm}^2$ , $4 \times 50 \text{ mm}^2$ , $4 \times 70 \text{ mm}^2$ , $4 \times 95 \text{ mm}^2$ , $4 \times 120 \text{ mm}^2$ , $4 \times 150 \text{ mm}^2$ , $4 \times 185 \text{ mm}^2$ , $4 \times 240 \text{ mm}^2$ and $4 \times 300 \text{ mm}^2$
7	insulated cables with inner and outer sheath; with ground conductors; code designation NYY-G; rated voltage 450/750 V; for conductor class 2; nominal cross-sectional area of conductors: $2 \times 25/16 \text{ mm}^2$ , $2 \times 35/16 \text{ mm}^2$ , $2 \times 50/25 \text{ mm}^2$ , $2 \times 70/35 \text{ mm}^2$ , $2 \times 95/50 \text{ mm}^2$ , $2 \times 120/70 \text{ mm}^2$ , $2 \times 150/95 \text{ mm}^2$ , $2 \times 185/95 \text{ mm}^2$ , $2 \times 240/120 \text{ mm}^2$ , $2 \times 300/150 \text{ mm}^2$ , $3 \times 25/16 \text{ mm}^2$ , $3 \times 35/16 \text{ mm}^2$ , $3 \times 50/25 \text{ mm}^2$ , $3 \times 70/35 \text{ mm}^2$ , $3 \times 95/50 \text{ mm}^2$ , $3 \times 120/70 \text{ mm}^2$ , $3 \times 150/95 \text{ mm}^2$ , $3 \times 185/95 \text{ mm}^2$ , $3 \times 240/120 \text{ mm}^2$ , $3 \times 300/150 \text{ mm}^2$ , $4 \times 25/16 \text{ mm}^2$ , $4 \times 35/16 \text{ mm}^2$ , $4 \times 50/25 \text{ mm}^2$ , $4 \times 70/35 \text{ mm}^2$ , $4 \times 95/50 \text{ mm}^2$ , $4 \times 120/70 \text{ mm}^2$ , $4 \times 150/95 \text{ mm}^2$ , $4 \times 185/95 \text{ mm}^2$ , $4 \times 240/120 \text{ mm}^2$ and $4 \times 300/150 \text{ mm}^2$

(Signature)

(Mrs. Benjamaporn Ekkachart)  
Director, Certification Division  
Competent Official