



## ALAMBRES Y CABLES VINANEL XXI RoHS<sup>MR</sup> THW-LS/THHW-LS 90 °C, 600V CT-SR



### Descripción

- 1.- Conductor de cobre suave sólido o cableado.  
2.- Aislamiento de policloruro de vinilo (PVC) tipos THW-LS/THHW-LS 90 °C colores.

### Propósito

- Acometida
- Alimentación de maquinaria y equipo industrial
- Circuitos alimentadores
- Circuitos de distribución
- Circuitos derivados
- Sistemas de puesta a tierra y descargas atmosféricas

### Propiedades

- Alta confiabilidad
- Baja emisión de gases corrosivos
- Baja emisión de gases tóxicos
- Baja emisión de humos densos
- Baja emisión de humos oscuros
- Buena resistencia a grasas
- Buena resistencia a la corrosión
- Buena resistencia a la gasolina
- Buena resistencia a la humedad
- Buena resistencia a los hidrocarburos
- Buena resistencia a solventes químicos
- Buena resistencia al aceite
- Buena resistencia al ozono
- Buena resistencia mecánica
- Deslizante
- Excelente resistencia a la intemperie
- Excelente resistencia a la propagación de la flama
- Excelente resistencia a la propagación de la flama en charola vertical
- Excelente resistencia a la propagación del incendio
- Excelente resistencia a los rayos solares
- Fácil de instalar
- Garantía de por vida
- Libre de sustancias peligrosas (RoHS)

### Temperatura

- Normal 90°C
- Sobrecarga 105°C
- Cortocircuito 150°C

### Tipo de Instalación

- Ductos subterráneos
- Soporte metálico tipo charola
- Trinchera
- Tubo conduit

### Material de Aislamiento

- Policloruro de Vinilo (PVC)

### Recomendaciones

Acorde a la norma de instalaciones eléctricas NOM-001-SEDE, artículo 392, indica que la sección transversal (calibre) mínimo de los conductores que se instalen en charola es 21,15 mm<sup>2</sup> (4 AWG).

### Certificado de calidad

- Sistema de calidad ISO 9001:2015 certificado por el Instituto de Normalización y Certificación A.C. (IMNC)

### Certificado de producto

- Asociación de Normalización y Certificación A.C. (ANCE)

### Datos de Pedido

Alambre o cable Vinanel XXI RoHSM.R., calibre o área de transversal en mm<sup>2</sup>, color, tipo de empaque, número de por longitud en metros.

### Tensión

- 600 V

### Características Especiales

El cable Vinanel XXI RoHSM.R. tiene propiedades eléctricas, mecánicas químicas, térmicas y ecológicas que lo hacen único en el mercado eléctrico y ofrece el más alto desempeño, durabilidad y seguridad, con garantía de por vida por escrito en el inmueble en donde se instale. Ideal para circuitos alimentadores y derivados en instalaciones eléctricas en casas habitación, lugares de concentración pública (edificios de oficinas, hospitales, bancos, hoteles, cines, etc.), industrias, etc.. Es adecuado para instalaciones en interiores o exteriores expuestas directamente a la luz solar. Puede instalarse en charolas (a partir del calibre 4 AWG), tubos (conduit), canaletas, ductos o trincheras, acorde a lo indicado en la NOM-001-SEDE.

Resistencia a la propagación de la flama en charola vertical 20 mín. 70 000 BTU/h (NMX-J-498). Grabado "CT"

Resistencia a la intemperie 720 horas (NMX-J-553). Grabado "SR"

Minima emisión de gas acido halogenado NMX-J-472). Grabado "LS"

Emisión reducida de humos NMX-J-474-ANCE Grabado "LS".

Resistencia a la propagación de incendio NMX-J-093-ANCE, 30 min. Grabado "LS"

Norma

- NMX-J-010-ANCE

# ALAMBRES Y CABLES VINANEL XXI RoHS<sup>MR</sup> THW-LS/THHW-LS 90 °C, 600V CT-SR



| Número de producto | Calibre (AWG-kcmil) | Área de la sección transversal (mm²) | Número de alambres del conductor | Diámetro del conductor (mm) | Espesor nominal del aislamiento (mm) | Diámetro exterior nominal (mm) | Peso nominal del cable (kg/km) | Empaque | Tram   |
|--------------------|---------------------|--------------------------------------|----------------------------------|-----------------------------|--------------------------------------|--------------------------------|--------------------------------|---------|--------|
| 3004702            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CAJA    | 100 r  |
| 3004703            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CAJA    | 100 r  |
| 3004704            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CAJA    | 100 r  |
| 3004705            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CAJA    | 100 r  |
| 3004706            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CAJA    | 100 r  |
| 3004707            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CAJA    | 100 r  |
| 3004712            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 100 m  |
| 3004713            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 1000 m |
| 3004714            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 1000 m |
| 3004715            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 1000 m |
| 3004716            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 1000 m |
| 3004720            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 500 r  |
| 3004721            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 500 r  |
| 3004722            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 500 r  |
| 3004724            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 500 r  |
| 0000363126         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CAJA    | 100 r  |
| 0000363131         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CARRETE | 1000 m |
| 0000363132         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CARRETE | 1000 m |
| 0000363134         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CARRETE | 1000 m |
| 0000363135         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CARRETE | 1000 m |
| 0000363136         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CARRETE | 1000 m |
| 0000363121         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CAJA    | 100 r  |
| 0000363122         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CAJA    | 100 r  |
| 0000363123         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CAJA    | 100 r  |
| 0000363124         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CAJA    | 100 r  |
| 0000363125         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CAJA    | 100 r  |
| 0000363133         | 14                  | 2.08                                 | 1                                | 1.63                        | 0.76                                 | 3.15                           | 27                             | CARRETE | 1000 m |
| 3004711            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 1000 m |
| 3004723            | 14                  | 2.08                                 | 19                               | 1.78                        | 0.76                                 | 3.30                           | 29                             | CARRETE | 500 r  |
| 3004684            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CARRETE | 1000 m |
| 3004694            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CARRETE | 500 r  |
| 0000363091         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CAJA    | 100 r  |
| 0000363092         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CAJA    | 100 r  |
| 0000363093         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CAJA    | 100 r  |
| 0000363094         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CAJA    | 100 r  |
| 0000363095         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CAJA    | 100 r  |
| 0000363096         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CAJA    | 100 r  |
| 0000363101         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CARRETE | 1000 m |
| 0000363102         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CARRETE | 1000 m |
| 0000363103         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CARRETE | 1000 m |
| 0000363104         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CARRETE | 1000 m |
| 0000363105         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CARRETE | 1000 m |
| 0000363106         | 12                  | 3.31                                 | 1                                | 2.05                        | 0.76                                 | 3.57                           | 39                             | CARRETE | 1000 m |
| 0000361897         | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CAJA    | 100 r  |
| 3004676            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CAJA    | 100 r  |
| 3004677            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CAJA    | 100 r  |
| 3004682            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CARRETE | 1000 m |
| 3004683            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CARRETE | 1000 m |
| 3004685            | 12                  | 3.31                                 | 19                               | 2.26                        | 0.76                                 | 3.78                           | 42                             | CARRETE | 1000 m |

|            |    |      |    |      |      |      |     |         |        |
|------------|----|------|----|------|------|------|-----|---------|--------|
| 3004686    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 1000 m |
| 3004687    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 1000 m |
| 3004688    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 1000 m |
| 3004689    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 1000 m |
| 3004691    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 1000 m |
| 3004692    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 500 r  |
| 3004693    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 500 r  |
| 3004695    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 500 r  |
| 3004696    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CARRETE | 500 r  |
| 3004674    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CAJA    | 100 r  |
| 3004675    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CAJA    | 100 r  |
| 3004672    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CAJA    | 100 r  |
| 3004673    | 12 | 3.31 | 19 | 2.26 | 0.76 | 3.78 | 42  | CAJA    | 100 r  |
| 3004668    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004669    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004645    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CAJA    | 100 r  |
| 3004646    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CAJA    | 100 r  |
| 3004647    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CAJA    | 100 r  |
| 3004652    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004653    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004654    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004655    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004656    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004662    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 500 r  |
| 3004663    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 500 r  |
| 3004664    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 500 r  |
| 3004665    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 500 r  |
| 3004667    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004642    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CAJA    | 100 r  |
| 3004643    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CAJA    | 100 r  |
| 3004644    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CAJA    | 100 r  |
| 0000363061 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CAJA    | 100 r  |
| 0000363062 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CAJA    | 100 r  |
| 0000363063 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CAJA    | 100 r  |
| 0000363064 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CAJA    | 100 r  |
| 0000363065 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CAJA    | 100 r  |
| 0000363071 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CARRETE | 1000 m |
| 0000363072 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CARRETE | 1000 m |
| 0000363073 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CARRETE | 1000 m |
| 0000363075 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CARRETE | 1000 m |
| 0000363074 | 10 | 5.26 | 1  | 2.59 | 0.76 | 4.11 | 59  | CARRETE | 1000 m |
| 3004657    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 1000 m |
| 3004666    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 500 r  |
| 3004670    | 10 | 5.26 | 19 | 2.84 | 0.76 | 4.36 | 63  | CARRETE | 500 r  |
| 3004622    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004635    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 500 r  |
| 0000363033 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CAJA    | 100 r  |
| 0000363044 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CARRETE | 1000 m |
| 0000361856 | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 500 r  |
| 0000361858 | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 500 r  |
| 0000361860 | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 500 r  |
| 0000363031 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CAJA    | 100 r  |
| 0000363032 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CAJA    | 100 r  |
| 0000363034 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CAJA    | 100 r  |
| 0000363041 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CARRETE | 1000 m |
| 0000363042 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CARRETE | 1000 m |
| 0000363043 | 8  | 8.37 | 1  | 3.26 | 1.14 | 5.54 | 98  | CARRETE | 1000 m |
| 3004612    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CAJA    | 100 r  |
| 3004613    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CAJA    | 100 r  |
| 3004614    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CAJA    | 100 r  |
| 3004615    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CAJA    | 100 r  |
| 3004616    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CAJA    | 100 r  |
| 3004617    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004618    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004621    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004623    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004624    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004625    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004626    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004631    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 1000 m |
| 3004632    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 500 r  |
| 3004633    | 8  | 8.37 | 19 | 3.58 | 1.14 | 5.86 | 104 | CARRETE | 500 r  |

|            |     |       |    |       |      |       |     |         |        |
|------------|-----|-------|----|-------|------|-------|-----|---------|--------|
| 3004634    | 8   | 8.37  | 19 | 3.58  | 1.14 | 5.86  | 104 | CARRETE | 500 r  |
| 3004636    | 8   | 8.37  | 19 | 3.58  | 1.14 | 5.86  | 104 | CARRETE | 500 r  |
| 3004582    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004583    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004584    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004585    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004591    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004592    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | ROLLO   | 100 r  |
| 3004593    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | ROLLO   | 100 r  |
| 3004594    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | ROLLO   | 100 r  |
| 3004596    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | ROLLO   | 100 r  |
| 3004602    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 3004603    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 3004605    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 3004606    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 3004607    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004608    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 0000361816 | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 0000361817 | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 0000361829 | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 0000361830 | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 3004586    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 3004595    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | ROLLO   | 100 r  |
| 3004604    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 500 r  |
| 3004609    | 6   | 13.30 | 19 | 4.51  | 1.52 | 7.55  | 168 | CARRETE | 1000 m |
| 0000361786 | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 0000361787 | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 3004562    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | ROLLO   | 100 r  |
| 3004552    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004553    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004554    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004555    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004556    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004563    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | ROLLO   | 100 r  |
| 3004564    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | ROLLO   | 100 r  |
| 3004565    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | ROLLO   | 100 r  |
| 3004566    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | ROLLO   | 100 r  |
| 0000361788 | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 0000361796 | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 0000361797 | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004576    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 3004579    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004580    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004581    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 1000 m |
| 3004572    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 3004573    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 3004574    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 3004575    | 4   | 21.20 | 19 | 5.69  | 1.52 | 8.73  | 249 | CARRETE | 500 r  |
| 3004528    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 1000 m |
| 3004529    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 1000 m |
| 3004533    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | ROLLO   | 100 r  |
| 3004534    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | ROLLO   | 100 r  |
| 3004535    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | ROLLO   | 100 r  |
| 3004536    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | ROLLO   | 100 r  |
| 3004537    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | ROLLO   | 100 r  |
| 3004542    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 500 r  |
| 3004544    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 500 r  |
| 3004545    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 500 r  |
| 3004546    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 500 r  |
| 3004525    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 1000 m |
| 3004526    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 1000 m |
| 3004527    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 1000 m |
| 3004543    | 2   | 33.60 | 19 | 7.18  | 1.52 | 10.22 | 375 | CARRETE | 500 r  |
| 3004503    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 500 r  |
| 0000361714 | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 500 r  |
| 0000361724 | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | ROLLO   | 100 r  |
| 0000361725 | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | ROLLO   | 100 r  |
| 3005692    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 500 r  |
| 3004499    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 500 r  |
| 3004501    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 500 r  |
| 3004504    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 1000 m |
| 3004505    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 1000 m |
| 3004507    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | CARRETE | 1000 m |
| 3004509    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | ROLLO   | 100 r  |
| 3004510    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | ROLLO   | 100 r  |
| 3004511    | 1/0 | 53.50 | 19 | 9.18  | 2.03 | 13.24 | 602 | ROLLO   | 100 r  |
| 3004483    | 2/0 | 67.40 | 19 | 10.31 | 2.03 | 14.37 | 742 | CARRETE | 500 r  |

|            |      |        |    |       |      |       |       |         |        |
|------------|------|--------|----|-------|------|-------|-------|---------|--------|
| 3004485    | 2/0  | 67.40  | 19 | 10.31 | 2.03 | 14.37 | 742   | CARRETE | 500 r  |
| 3004486    | 2/0  | 67.40  | 19 | 10.31 | 2.03 | 14.37 | 742   | CARRETE | 500 r  |
| 3004491    | 2/0  | 67.40  | 19 | 10.31 | 2.03 | 14.37 | 742   | ROLLO   | 100 r  |
| 3004492    | 2/0  | 67.40  | 19 | 10.31 | 2.03 | 14.37 | 742   | ROLLO   | 100 r  |
| 3004487    | 2/0  | 67.40  | 19 | 10.31 | 2.03 | 14.37 | 742   | CARRETE | 1000 m |
| 0000361655 | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | CARRETE | 500 r  |
| 3004476    | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | ROLLO   | 100 r  |
| 0000361654 | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | CARRETE | 500 r  |
| 0000361658 | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | CARRETE | 1000 m |
| 3004466    | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | CARRETE | 500 r  |
| 3004468    | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | CARRETE | 500 r  |
| 3004471    | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | CARRETE | 1000 m |
| 3004475    | 3/0  | 85.00  | 19 | 11.58 | 2.03 | 15.64 | 918   | ROLLO   | 100 r  |
| 3004450    | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | CARRETE | 500 r  |
| 3004452    | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | CARRETE | 500 r  |
| 3004453    | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | CARRETE | 500 r  |
| 3004454    | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | CARRETE | 1000 m |
| 3004457    | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | ROLLO   | 100 r  |
| 3004458    | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | ROLLO   | 100 r  |
| 0000361627 | 4/0  | 107.00 | 19 | 13.00 | 2.03 | 17.06 | 1 136 | CARRETE | 1000 m |
| 3004851    | 250  | 127.00 | 37 | 14.18 | 2.41 | 19.00 | 1 362 | CARRETE | 500 r  |
| 0000370132 | 250  | 127.00 | 37 | 14.18 | 2.41 | 19.00 | 1 362 | CARRETE | 1000 m |
| 3004809    | 250  | 127.00 | 37 | 14.18 | 2.41 | 19.00 | 1 362 | CARRETE | 1000 m |
| 3004798    | 250  | 127.00 | 37 | 14.18 | 2.41 | 19.00 | 1 362 | CARRETE | 500 r  |
| 3004799    | 300  | 152.00 | 37 | 15.52 | 2.41 | 20.34 | 1 610 | CARRETE | 500 r  |
| 3004810    | 300  | 152.00 | 37 | 15.52 | 2.41 | 20.34 | 1 610 | CARRETE | 1000 m |
| 0000370122 | 300  | 152.00 | 37 | 15.52 | 2.41 | 20.34 | 1 610 | CARRETE | 1000 m |
| 3004845    | 300  | 152.00 | 37 | 15.52 | 2.41 | 20.34 | 1 610 | CARRETE | 500 r  |
| 3004811    | 350  | 177.00 | 37 | 16.78 | 2.41 | 21.60 | 1 862 | CARRETE | 1000 m |
| 3004839    | 350  | 177.00 | 37 | 16.78 | 2.41 | 21.60 | 1 862 | CARRETE | 500 r  |
| 3004800    | 350  | 177.00 | 37 | 16.78 | 2.41 | 21.60 | 1 862 | CARRETE | 500 r  |
| 3004801    | 400  | 203.00 | 37 | 17.94 | 2.41 | 22.76 | 2 110 | CARRETE | 500 r  |
| 3004812    | 400  | 203.00 | 37 | 17.94 | 2.41 | 22.76 | 2 110 | CARRETE | 1000 m |
| 0000370101 | 400  | 203.00 | 37 | 17.94 | 2.41 | 22.76 | 2 110 | CARRETE | 500 r  |
| 3004813    | 500  | 253.00 | 37 | 20.04 | 2.41 | 24.86 | 2 600 | CARRETE | 750 r  |
| 3004802    | 500  | 253.00 | 37 | 20.04 | 2.41 | 24.86 | 2 600 | CARRETE | 500 r  |
| 3004830    | 500  | 253.00 | 37 | 20.04 | 2.41 | 24.86 | 2 600 | CARRETE | 500 r  |
| 3004807    | 600  | 304.00 | 61 | 22.00 | 2.79 | 27.58 | 3 118 | CARRETE | 500 r  |
| 0000370081 | 600  | 304.00 | 61 | 22.00 | 2.79 | 27.58 | 3 118 | CARRETE | 500 r  |
| 3004825    | 750  | 380.00 | 61 | 24.59 | 2.79 | 30.17 | 3 849 | CARRETE | 500 r  |
| 3004803    | 750  | 380.00 | 61 | 24.59 | 2.79 | 30.17 | 3 849 | CARRETE | 500 r  |
| 3005503    | 1000 | 507.00 | 61 | 28.12 | 2.79 | 33.79 | 5 080 | CARRETE | *      |

Notas

Estos datos son aproximados y están sujetos a tolerancias de manufactura.

Para construcciones diferentes a las indicadas, favor de consultar a nuestro departamento de asesoría técnica.

\* El producto no es de stock. Se puede entregar en diferentes tramos o según norma de fabricación.