

# LANmark WDN-RYY CU/MGT/LSZH/LSZH Fire Resistant Flexible Cable

The LANmark Series of Low-voltage cables are specialized cables designed for communication, signal transmission and low-voltage power supply of security equipment.

They are widely deployed in public security, monitoring projects, commercial buildings, residential buildings, smart homes and intelligent building systems.

## Characteristic

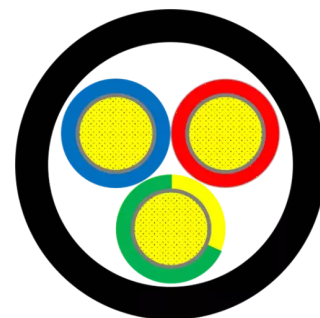
- Copper Class 5
- Insulation of polyolefin, colored
- LSZH jacket
- Fire Resistant : 90min under 750°C fires
- Nominal Voltage: U0/U=300/300V (Cross section  $\leq 0.5\text{mm}^2$ )  
U0/U=300/500V (Cross section  $\geq 0.75\text{mm}^2$ )
- Temperature range: operation: -20°C ~ 70°C  
installation: 0°C ~ 50°C

Insulation color

| Core No. |                                                                                         |
|----------|-----------------------------------------------------------------------------------------|
| 2        | Blue, Red                                                                               |
| 3        | Blue, Red, Yellow/Green or Blue, Red, Green                                             |
| 4        | Blue, Red, Green, Yellow/Green or Blue, Red, Green, Yellow                              |
| 5        | Blue, Red, Green, Yellow, Yellow/Green or Blue, Red, Green, Yellow, Black               |
| 6        | Blue, Red, Green, Yellow, Black, Yellow/Green or Blue, Red, Green, Yellow, Black, Brown |
| 7        | Yellow jacket with number except Yellow/Green core.                                     |

Note: When there is a yellow/green ground wire in the core combination, the N-cord needs to add the suffix "G". The cross section will be using "G" to replace "x".

## Technical data



## STANDARDS

IEC 60228  
IEC 60332-1  
IEC 60754  
IEC 61034

| N – Code       | Type     | Cross section (mm²) | Insulation (mm) | Sheath (mm) | General OD, max | Conductor Resistance 20°C / Ω / km | Insulation Resistance 70°C / MΩ.km |       |
|----------------|----------|---------------------|-----------------|-------------|-----------------|------------------------------------|------------------------------------|-------|
| NIORT3YWON205  | WDZN-RYY | 2x0.50              | 0.6             | 0.6         | 6.6             | 7.6                                | 39.0                               | 0.013 |
| NIORT3YWON305  | WDZN-RYY | 3x0.50              | 0.6             | 0.6         | 7.1             | 8.1                                | 39.0                               | 0.013 |
| NIORT3YWON207  | WDZN-RYY | 2x0.75              | 0.6             | 0.8         | 7.4             | 8.4                                | 26.0                               | 0.011 |
| NIORT3YWON307  | WDZN-RYY | 3x0.75              | 0.6             | 0.8         | 7.9             | 8.9                                | 26.0                               | 0.011 |
| NIORT3YWON307G | WDZN-RYY | 3G0.75              | 0.6             | 0.8         | 7.9             | 8.9                                | 26.0                               | 0.011 |
| NIORT3YWON407  | WDZN-RYY | 4x0.75              | 0.6             | 0.8         | 8.7             | 9.7                                | 26.0                               | 0.011 |
| NIORT3YWON507  | WDZN-RYY | 5x0.75              | 0.6             | 0.9         | 9.8             | 10.8                               | 26.0                               | 0.011 |
| NIORT3YWON607  | WDZN-RYY | 6x0.75              | 0.6             | 0.9         | 10.7            | 11.7                               | 26.0                               | 0.011 |
| NIORT3YWON210  | WDZN-RYY | 2x1.00              | 0.6             | 0.8         | 7.8             | 8.8                                | 19.5                               | 0.010 |
| NIORT3YWON310  | WDZN-RYY | 3x1.00              | 0.6             | 0.8         | 8.3             | 9.3                                | 19.5                               | 0.010 |
| NIORT3YWON410  | WDZN-RYY | 4x1.00              | 0.6             | 0.9         | 9.3             | 10.3                               | 19.5                               | 0.010 |
| NIORT3YWON510  | WDZN-RYY | 5x1.00              | 0.6             | 0.9         | 10.2            | 11.2                               | 19.5                               | 0.010 |
| NIORT3YWON610  | WDZN-RYY | 6x1.00              | 0.6             | 0.9         | 11.2            | 12.2                               | 19.5                               | 0.010 |
| NIORT3YWON215  | WDZN-RYY | 2x1.50              | 0.7             | 0.8         | 8.7             | 9.7                                | 13.3                               | 0.010 |
| NIORT3YWON315  | WDZN-RYY | 3x1.50              | 0.7             | 0.9         | 9.5             | 10.5                               | 13.3                               | 0.010 |
| NIORT3YWON415  | WDZN-RYY | 4x1.50              | 0.7             | 1.0         | 10.7            | 11.7                               | 13.3                               | 0.010 |
| NIORT3YWON515  | WDZN-RYY | 5x1.50              | 0.7             | 1.1         | 11.9            | 12.9                               | 13.3                               | 0.010 |
| NIORT3YWON615  | WDZN-RYY | 6x1.50              | 0.7             | 1.1         | 13.0            | 14.0                               | 13.3                               | 0.010 |
| NIORT3YWON225  | WDZN-RYY | 2x2.50              | 0.8             | 1.0         | 10.0            | 11.0                               | 7.98                               | 0.009 |
| NIORT3YWON325  | WDZN-RYY | 3x2.50              | 0.8             | 1.1         | 11.3            | 12.3                               | 7.98                               | 0.009 |
| NIORT3YWON425  | WDZN-RYY | 4x2.50              | 0.8             | 1.1         | 12.4            | 13.4                               | 7.98                               | 0.009 |
| NIORT3YWON525  | WDZN-RYY | 5x2.50              | 0.8             | 1.2         | 13.8            | 14.8                               | 7.98                               | 0.009 |
| NIORT3YWON625  | WDZN-RYY | 6x2.50              | 0.8             | 1.2         | 15.1            | 16.1                               | 7.98                               | 0.009 |

Note: When there is a yellow/green ground wire in the core combination, the N-cord needs to add the suffix "G". The cross section will be using "G" to replace "x".



