

# PTFE Insulated material

## ◀ VDE ▶ N5YAF.8191 WIRE

For general purposes wiring of electronic Lighting and electrical equipment.

### Description:

Conductor material of Nickel copper  
 Operating temperature -60°C~250 °C  
 RoHS Compliant  
 Reference standard VDE

### Specification:

| Gauge<br>(mm <sup>2</sup> ) | Construction<br>No./mm | Nom. Dia.<br>of Stranded<br>Conductor |      | Wire Diam. |           | Max. Resistance<br>(dc at 20°C)<br>Ohm/per |       |
|-----------------------------|------------------------|---------------------------------------|------|------------|-----------|--|-------|
|                             |                        | Inch                                  | mm   | Inch       | mm        | 1000-ft                                    | Km    |
|                             |                        |                                       |      | Nom. Fin.  | Nom. Fin. |  |       |
| 0.15                        | 7/0.16                 | .0189                                 | 0.48 | .0472      | 1.20      | 44.50                                      | 146   |
|                             | 19/0.10                | .0197                                 | 0.50 | .0472      | 1.20      | 44.50                                      | 146   |
| 0.25                        | 19/0.127               | .0252                                 | 0.64 | .0524      | 1.33      | 27.19                                      | 89.20 |
|                             | 19/0.15                | .0295                                 | 0.75 | .0571      | 1.45      | 16.70                                      | 54.80 |
| 0.35                        | 7/0.254                | .0303                                 | 0.77 | .0571      | 1.45      | 16.70                                      | 54.80 |
|                             | 1/0.65                 | .0256                                 | 0.65 | .0531      | 1.35      | 16.70                                      | 54.80 |
| 0.50                        | 19/0.19                | .0374                                 | 0.95 | .0650      | 1.65      | 10.55                                      | 34.60 |
|                             | 1/0.81                 | .0319                                 | 0.81 | .0594      | 1.51      | 10.55                                      | 34.60 |
| 0.75                        | 19/0.22                | .0433                                 | 1.10 | .0709      | 1.80      | 8.63                                       | 28.30 |
| 1.00                        | 19/0.254               | .0500                                 | 1.27 | .0780      | 1.98      | 7.01                                       | 23.00 |
| 1.25                        | 19/0.29                | .0575                                 | 1.46 | .0846      | 2.15      | 4.48                                       | 14.70 |
| 1.50                        | 19/0.32                | .0634                                 | 1.61 | .0906      | 2.30      | 3.69                                       | 12.10 |
| 2.00                        | 19/.0.37               | .0732                                 | 1.86 | .1126      | 2.86      | 2.73                                       | 8.96  |
| 2.50                        | 19/0.40                | .0791                                 | 2.01 | .1181      | 3.00      | 2.19                                       | 7.20  |
| 4.00                        | 19/0.52                | .1028                                 | 2.61 | .1500      | 3.81      | 1.66                                       | 5.45  |
| 6.00                        | 19/0.63                | .1248                                 | 3.17 | .1720      | 4.37      | 1.13                                       | 3.70  |

### Order reference:

Colors available: 0-Black, 1-Brown, 2-Red, 3-Orange, 4-Yellow, 5-Green, 6-Blue, 7-Violet, 8-Grey, 9-White, 5/4  
 – Green W/ Yellow

Striping: Longitudinal and Parallel Stripes Available Per Request

Delivery: All Stocked Items Available for Immediate Shipment, 8 Week Lead Time for Non-stocked Items

Package: Stocked in Spools, Barrel Pack Available Per Request

Wire Processing: Cut, Strip, and Tinning Available