

Filled Solid 5-Mil Copper Cable

RDUP (RUS) PE-39 CU

Spec. 2002



Nominal Cable Data

| CATALOG NUMBER | PAIRS AWG | | O.D. (INCHES) | WEIGHT (LBS/MFT) | STANDARD LENGTH (FT) |
|----------------|-----------|----|---------------|------------------|----------------------|
| 7525058 | 6 | 22 | 0.46 | 100 | 5000 |
| 7525066 | 12 | 22 | 0.57 | 150 | 5000 |
| 7525074 | 25 | 22 | 0.71 | 265 | 5000 |
| 7525082 | 50 | 22 | 0.93 | 450 | 5000 |
| 7525090 | 100 | 22 | 1.20 | 805 | 2500 |
| 7525116 | 6 | 24 | 0.43 | 78 | 5000 |
| 7525124 | 12 | 24 | 0.50 | 115 | 5000 |
| 7525140 | 25 | 24 | 0.60 | 185 | 5000 |
| 7525157 | 50 | 24 | 0.77 | 305 | 5000 |
| 7525173 | 100 | 24 | 1.00 | 555 | 5000 |
| 7525199 | 200 | 24 | 1.35 | 995 | 2500 |
| 7525207 | 300 | 24 | 1.60 | 1425 | 2500 |
| 7525215 | 400 | 24 | 1.82 | 1870 | 2500 |
| 7525223 | 600 | 24 | 2.20 | 2810 | 1250 |

Data subject to change without notice. Contact your Customer Service Representative for latest information.

Core Construction:

Conductors:

- Solid, annealed copper; sizes 19, 22 and 24 AWG

Insulation:

- Solid, high density polyethylene, color-coded in accordance with telephone industry standards

Twisted Pairs:

- Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk

Core Assembly:

- 25 pairs and less: pairs are assembled together in a single group
- More than 25 pairs: pairs are arranged in groups, each group having a color-coded unit binder

Filling Compound:

- The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape

Core Wrap:

- Non-hygroscopic dielectric tape applied longitudinally with an overlap

Sheath:

Copper Shield:

- Corrugated 0.005" copper tape applied longitudinally with an overlap
- The sheath interfaces are flooded with an adhesive water-blocking compound

Jacket:

- Black, linear low density polyethylene

Application(s):

- Intended for duct and direct buried installations where protection against water and moisture entry is required and may also be installed aerially

Compliances:

- Rural Development Utility Program (RDUP) 7 CFR 1755.390 (RUS PE-39)
- RoHS Compliant (effective 1/1/10)
- ANSI/ICEA S-84-608-2007

Packaging:

- Standard lengths are shipped on non-returnable wood reels
- Non-standard packaging is available upon request

