

OSP Copper Cable for Line Powering

RDUP (RUS) PE-89 AL

Spec. 2007



Product Description

Filled Foam Skin ALPETH and PE-89 Cables are designed for use in Telco Line Powering applications. The copper core makes use of ETPR filling compound, filling in the interstices between the pairs and the core wrap tape to ensure protection from moisture ingress. These cables can be used in low risk direct burial or duct applications. They may be used aerially, but must be attached to a support strand.

Nominal Cable Data

CATALOG NUMBER	PAIRS AWG		O.D. (INCHES)	WEIGHT (LBS/MFT)	STANDARD LENGTH (FT)
7525603	12	22	0.52	125	5000
7525629	25	22	0.62	205	5000
7525637	50	22	0.78	365	5000
7525652	100	22	1.01	665	2500

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

Core Construction:

Conductors:

- Solid, annealed copper; size 22 AWG

Insulation:

- Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, 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:

Aluminum Shield:

- Corrugated, copolymer-coated, 0.008" aluminum 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 1755.890 (RUS PE-89)
- 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

Configurations:

- Available in additional pair counts and gauges

