TELEPHONE CENTRAL OFFICE POWER



AmerCable

37-614

Telecom Power Cable
Low Smoke • Non-Halogen • Non-Braided

Flexible • RHH • RHW • 600V



Conductors

Tinned annealed copper per ASTM B33, Class I stranding per ASTM B172.

Inner Insulation

Halogen-free thermoset polyolefin

Outer Insulation

Halogen-free thermoset polyolefin. Available in black (standard), red, blue, green or grey.

LS Low Smoke

Halogen Non-Halogen

Applications

A flexible, single-conductor low smoke, non-halogen 600V power cable suitable for use in data centers, telephone central office applications, gateways, fiber optic amplifiers, wireless towers, battery back-ups, back-up generators, UPS systems and similar equipment.

Features

- Suitable for continuous operating temperatures of 75° C wet and 90° C dry.
- Rated RHH, RHW; 1/0 and larger listed and marked “for CT use”.
- UL listed as Sunlight Resistant.
- Flame Resistance: FT-4/IEEE 1202.
- Low Smoke Characteristics: Meets smoke release and other requirements of Vertical Tray Test UL 1685.
- Extremely flexible Class I stranding is used for increased flexibility and ease of installation. Other stranding also available.
- Tough outer layer has exceptional resistance to cold flow (creep) and cut thru.
- Also available in red, blue, green and grey.



Made in America

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Ratings & Approvals

- UL listed as: Telephone Central Office Power Cable.
- ICEA S-95-658: Non-shielded 0-2kV cables.
- UL Standard 44: Thermoset Insulated Wires & Cables, Types RHH, RHW. UL VW-1.
- UL Standard 1685: Vertical Tray Fire Propagation and Smoke Release Test for Electrical and Optical Fiber Cables. (UL 1685;UL LS)
- ASTM B-33; Standard Specification for Tinned Soft or Annealed Copper Wire.
- ASTM B172; Standard Specification for Flexible Stranding.
- Found compliant to GR-347 CORE by Telcodia.
- Designed to meet the requirements of WP93811 for cold flow (creep) and cut-through.

TCOP NON-BRAIDED CLASS I STRANDING

Part No. 37-614	Size	Minimum Wires per Conductor	Nominal Insulation Thickness	Nominal Outside Diameter	Approx. Cable Wt. lbs./1000 ft.	Ampacity 90°C
-007	6	61	0.060	0.301	108	105
-008	4	105	0.060	0.395	179	140
-009	2	147	0.060	0.433	239	190
-012	2/0	323	0.080	0.631	503	300
-014	4/0	532	0.080	0.760	794	405
-015	250	627	0.095	0.837	948	455
-018	350	888	0.095	0.960	1299	570
-021	500	1221	0.095	1.091	1753	700
-024	750	1850	0.110	1.327	2641	885

- Cable diameters are subject to a +/- 5% manufacturing tolerance
- Single conductor ampacity (free air) is calculated with 90°C conductor temperature and 30°C ambient air

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