

Filled, Direct Burial Distribution, BWFG-1 RUS/RDUP Spec. PE-86



For direct burial or duct applications such as distribution circuits and service entrance wires where the cable must withstand installation stresses. BWFG-1 is recommended for high-risk areas where additional environmental or rodent protection is required.

Core Construction

Conductors	Solid annealed copper in 22 and 24 AWG.
Insulation	Each conductor is insulated with color-coded solid polyolefin. The insulation of the tip conductor is marked with a stripe of the mating ring insulation color.
Core Assembly	Individual conductor dimensions are tightly controlled to limit resistance unbalance of twisted pairs. Pair twist lays are varied to minimize crosstalk and meet capacitance unbalance limits.
Filling Compound	The wire core is completely filled with an 80°C ETPR compound, filling the air spaces between insulated conductors.
Inner Jacket	Linear, low-density PE.
Shielding	A corrugated, .005" gopher-resistant armor is applied longitudinally over the inner jacket. The armor is flooded.
Outer Jacket	Black PE designed to withstand exposure to direct sunlight, atmospheric temperature changes and stresses expected in standard installations.
Footage Marking	Printed sequentially every 2' along the outer jacket.

RUS/RDUP Designation: BWFY

Electrical Characteristics

See Table D on page 22 in this section

See referenced pages in the Hardware & Supplies section:

Installation Hardware

- Buried Service Wire Splice Kits - B-8
- Rigid Buried Splice Closures - B-8
- Scotchlok® Connectors - B-11

Suggested Prep Tools

- 820 Multi-wire Stripper/Cutter - H-8
- Armored Cable Slitter - I-10