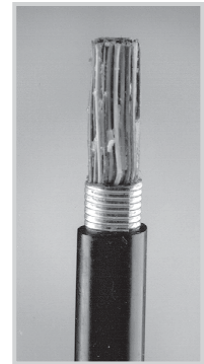


# Filled, Direct Burial, Gopher-Resistant BJFG, BJFAS\*

## RUS/RDUP Spec. PE-39



For direct burial or duct applications where protection from moisture is required. May also be used aerially if attached to a support strand. Recommended for high-risk areas where additional mechanical or rodent protection is required.

### Core Construction

|                         |                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conductors</b>       | Solid annealed copper in 19, 22 and 24 AWG.                                                                                                                                                                                        |
| <b>Insulation</b>       | Solid, color-coded polyolefin.                                                                                                                                                                                                     |
| <b>Twisted Pairs</b>    | Individual insulated conductors are twisted into pairs with varying lay lengths.                                                                                                                                                   |
| <b>Core Assembly</b>    | Cables of 25 pairs or less are assembled into a cylindrical core. Cables larger than 25 pairs are assembled into units, which are then used to assemble the core. Units are individually identifiable by color coded unit binders. |
| <b>Filling Compound</b> | The core assembly is filled with an 80°C ETPR compound, completely filling the interstices between the pairs and under the core wrap.                                                                                              |
| <b>Core Wrap</b>        | Non-hygroscopic, dielectric tape.                                                                                                                                                                                                  |
| <b>Shielding</b>        | A corrugated, gopher resistant, copper alloy or copper clad steel tape is applied longitudinally with an overlap. The shield interfaces are flooded.                                                                               |
| <b>Outer Jacket</b>     | Black, linear low-density PE designed to withstand exposure to direct sunlight, atmospheric temperature changes and stresses expected in standard installations.                                                                   |
| <b>Footage Marking</b>  | Printed sequentially every 2' along the outer jacket.                                                                                                                                                                              |

### RUS/RDUP Designation: BFCY

### Electrical Characteristics

See Table B on page 21 in this section.

**\*BJFAS cable may be subject to manufacturer minimums and is available by request only.** They have the same core construction as BJFG except for a dual shielding system that consists of two metal tapes:  
**Inner:** A corrugated, copolymer coated, .008" aluminum tape is applied directly over the core wrap. The aluminum tape does not butt or overlap at any point along the length of the cable.  
**Outer:** A corrugated, copolymer coated, .006" steel tape is applied directly over the aluminum and overlaps. The shield interfaces are flooded.

*Note:* T-Screen® Type BJFG cables may be available with a core separated design for use with PCM-type carrier equipment.

See referenced pages in the Hardware & Supplies section:

#### Installation Hardware

- A-Line Terminal Blocks - C-3
- Better Buried Splice Closures - B-6
- Metal Pedestals - B-5

#### Suggested Prep Tools

- 821 Multi-wire Stripper/Cutter - I-10
- Armored Cable Slitter - I-10
- MK01A Multi-wire Stripper/Cutter - I-11
- MK04 Cable Jacket Stripper - I-11