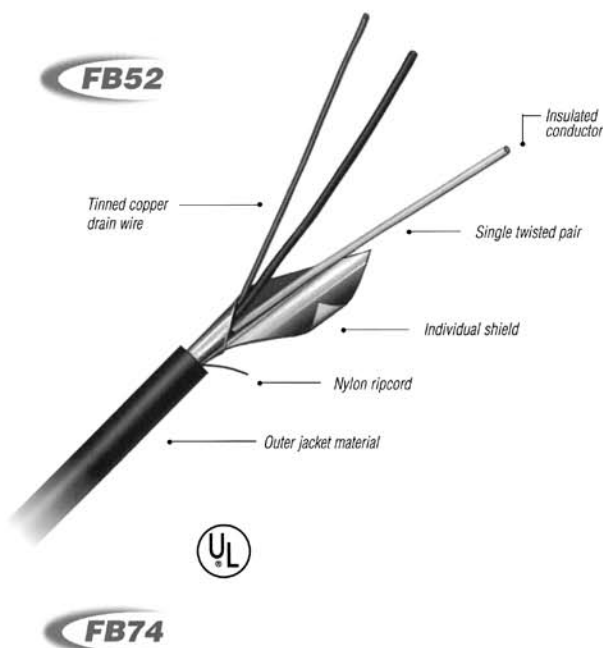


## Fieldbus

**Tough, flexible Dekoron XLPE (Crosslinked Polyethylene) fieldbus cable meets the ISA/50.02 Fieldbus standards.**

- Dekoron fieldbus cable is constructed of XLPE insulation material to ensure good dielectric properties and excellent flame retardance.



### Description

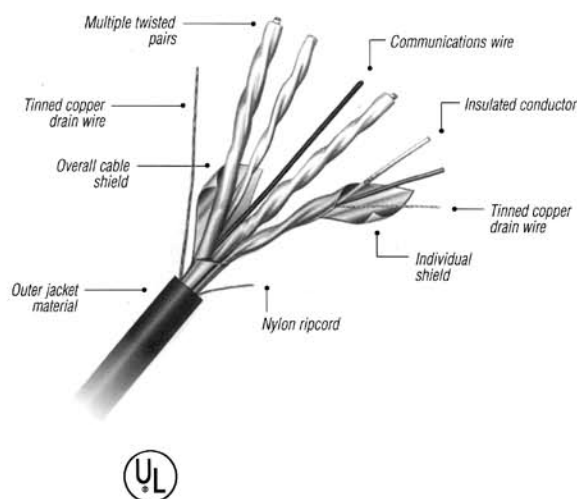
- Conductor ..... 7-strand bare copper, Class B
- Primary insulation..... 25 mils XLPE
- Color code..... Black and white  
Blue and orange
- Shield..... 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket..... PVC, color-coded orange

### Application

- Excellent electrical characteristics and flame retardance to meet ISA/50.02 fieldbus standards
- UL listed as PLTC/ITC
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas.
- NEC 725/727
- 300 volt rated insulation

### Cable Type

- FB52 – Single pair shielded
- FB74 – Multiple Pair - Individual & Overall Shield



*The specifications listed above are subject to change without notice.  
In any change, the product's performance will remain the same, or be improved.*

| Electrical Performance Requirement                       | ISA/SP50   | Obtained |
|----------------------------------------------------------|------------|----------|
| Impedance, ohms at 31.25 kHz                             | 100 +/- 20 | 101.40   |
| Attenuation, dB/Km maximum                               | 3.0        | 2.36     |
| Capacitive unbalance maximum, nanofarads/km at 31.25 kHz | 2.0        | 1.07     |
| Conductor DC resistance maximum, ohms/leg                | 22         | 21       |

| Part Number    | Color Code    | AWG | Nominal O.D. | Weight | Jacket Thickness |
|----------------|---------------|-----|--------------|--------|------------------|
|                |               |     | in           | lb/ft  | mils             |
| FB52-8931A     | Black & White | 18  | 0.295        | 0.045  | 35               |
| FB52-8931A-264 | Blue & Orange | 18  | 0.295        | 0.045  | 35               |