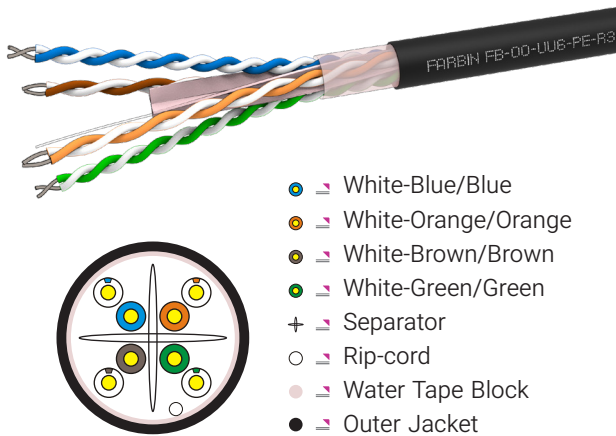


# FB-00-UU6-PE-R3-BK

OSP Broadband Cable



## SPECIFICATION SHEET



### Description

FARBIN FB-00-UU6-PE-R3-BK, 4-Pair U/UTP 450MHz Cat.6 Broadband cable, 23AWG (~0.565) solid bare copper, Rip cord, LDPE and UV resistance jacket, Black color

### Standards

- ANSI/TIA 568.2-D
- ISO/IEC 11801 Class E
- IEC 61156-5
- EN50173-1
- EN 50288-6-1
- IEEE 802.3bt PoE Type 1 (15.4W) formerly 802.3af
- IEEE 802.3bt PoE Type 2 (30W) formerly 802.3at
- IEEE 802.3bt PoE Type 3 (60W)
- IEEE 802.3bt PoE Type 4 (90W)
- IEEE 802.3bt standard up to 0.5Amp. Per conductor
- Cisco UPOE (60 Watts), Cisco UPOE+ (90 Watts)
- Power over HDBaseT™ PoH (95 Watts)

### Fire Standards

|                           |                   |
|---------------------------|-------------------|
| Classification/ EuroClass | N/A External Only |
| Flame Rating              | N/A External Only |



**Packing**  
Wooden Drum (305m ±1m)

FARBIN **OSP Broadband Cable** is an Category 6 U/UTP cable suitable for outside plant projects.

Certified channel performance in a **4-connector** configuration up to 100m and exceeds category 6 and Class E standards beyond the 250 MHz frequencies and up to **450MHz**.

The copper conductors shall be twisted in pairs, separated by a cross-divider and covered by **water-block tape** and **LDPE outer jacket**.

Designed for installation in an external protected environment

### Key Features and Benefits

- Sunlight** and **Weather Resistance** with Polyethylene jacket
- Certified TCL & ELTCL Common Mode (CM) for running PoE+ and PoE++
- Robust jacket is suitable for use with Modular Plug Terminated Link (**MPTL**)

### Physical Characteristics

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| Conductor  | 4-Pair solid bare copper                                                                                                     |
| AWG (mm)   | 23 (0.565 ±0.005)                                                                                                            |
| Insulation | HDPE (O.D: 0.99 ±0.08mm)                                                                                                     |
| Jacket     | Surface clean, frap, satiation<br>External O.D: 6.5 ±0.5mm<br>LDPE UV resistance<br>Black<br>Sequential marking at one meter |
| Rip Cord   | Yes                                                                                                                          |
| Packing    | Wooden Reel (305m ±1.5m)                                                                                                     |

### Mechanical Characteristics

|                             |                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature Range | Storage: -20°C to +75°C<br>Installation: 0°C to +50°C<br>Operating: -20°C to +75°C                                                     |
| Max. Tensile Load           | ~11kg (110N)                                                                                                                           |
| Min. Bend Radius            | 8 x Outer Diameter (Installation)<br>4 x Outer Diameter (Operation)<br><br>Cold bend (-20 ±2°C ×4h)<br>8×Cable O.D., No visible cracks |
| NVP                         | 68%                                                                                                                                    |

The information contained in this document is valid and correct at the time of issue. FARBIN reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.