

## Enhanced Category 5E Direct Burial



Solid bare copper conductors, Polyolefin insulation, a water swellable tape is applied longitudinally under a polyethylene jacket, Ripcord, suitable for direct burial.

Jacket colours: Black

Packaging: 305m Spools

| PCS<br>Catalogue<br>Number | Pairs<br>No. | AWG<br>Size | Stranding | Nominal<br>O.D.<br>(inches) | Total<br>Weight<br>(lbs/km) | Colour<br>Code<br>Chart |
|----------------------------|--------------|-------------|-----------|-----------------------------|-----------------------------|-------------------------|
| UTPB5E24-04PB0             | 4            | 24          | Solid     | .225                        | 85                          | 5                       |

| Frequency<br>MHz | Attenuation<br>max. | PSNEXT<br>min. | NEXT<br>min. | PSELFEXT<br>min. | ELFEXT<br>min. | Return Loss<br>min. |
|------------------|---------------------|----------------|--------------|------------------|----------------|---------------------|
| 1                | 2.0                 | 63.0           | 66.0         | 60.8             | 63.8           | 20.0                |
| 4                | 4.1                 | 54.0           | 57.0         | 48.7             | 51.7           | 23.0                |
| 8                | 5.7                 | 49.5           | 52.5         | 42.7             | 45.7           | 24.5                |
| 10               | 6.4                 | 48.0           | 51.0         | 40.8             | 43.8           | 25.0                |
| 20               | 8.8                 | 45.0           | 48.0         | 36.7             | 39.7           | 25.0                |
| 16               | 8.1                 | 43.5           | 46.5         | 34.7             | 37.7           | 25.0                |
| 20               | 9.1                 | 42.0           | 45.0         | 32.8             | 35.8           | 24.3                |
| 31.25            | 11.4                | 40.6           | 43.6         | 30.9             | 33.9           | 23.6                |
| 62.5             | 16.4                | 36.1           | 39.1         | 24.8             | 27.8           | 21.5                |
| 100              | 21.0                | 33.0           | 36.0         | 20.8             | 23.8           | 20.1                |

Note: Values are expressed in db per 100m (328ft.) length

### Electrical Characteristics

**DC Resistance** (max)  
Ohms/100m @20°C

9.38

**Mutual Capacitance** (nom)  
pF/ft. @ 1kHz

14

**Characteristic Impedance**  
Frequency (f): 1.0-100.0 MHz

Ohms  
100+/-15

**Velocity of Propagation:**

70% nominal

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