



- Conductor: 23 AWG, solid copper wires
- Outer Jacket Polyvinyl Chloride
- Standard:



ISO/IEC 11801, ANSI/TIA- 568-C2, UL444,  
LSZH is available , Armour version available

- Application:

Data communications, Local area networks,  
Building signaling systems

- ISO9001Certified Manufacturing Plant

Length: 100 Yards

## Standard

|          |                                                                                 |
|----------|---------------------------------------------------------------------------------|
| Standard | ISO/IEC 11801, ANSI/TIA- 568-C2, UL444,<br>ISO9001Certified Manufacturing Plant |
|----------|---------------------------------------------------------------------------------|

## General

|                                  |               |
|----------------------------------|---------------|
| Operating Temperature Range      | -20°C~ 75°C   |
| Maximum pulling Tension          | 70N           |
| Minimum bending Radius           | 4D mm         |
| Nominal Mutual Capacitance@ 1KHz | 5.1 nF / 100m |

Update Date: May 19, 2022

Specification subject to change without notice

## EIGHT LIMITED

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|                                       |               |
|---------------------------------------|---------------|
| Maximum Capacitance Unbalance         | 330 pF / 100m |
| Maximum Delay @1Hz                    | 570 ns / 100m |
| Maximum Delay Skew                    | 45 ns / 100m  |
| Maximum Conductor DC Resistance @20°C | 9.38 Ω / 100m |
| Maximum DCR Unbalance @20°C           | 5%            |
| Maximum Operating Voltage (VRMS)      | ≤ 80V         |
| Characteristics Impedance             | 100 Ω         |

## Electric Performance

| Frequency (MHz) | Attenuation (dB/100m) | Next (dB) | Return Loss (dB) | ACR (dB) | Power Sum Next (dB) | Power Sum ELFEXT (dB) | Power Sum ACR(dB) |
|-----------------|-----------------------|-----------|------------------|----------|---------------------|-----------------------|-------------------|
| 1               | 2                     | 74.3      | 20               | 72.3     | 72.3                | 63.8                  | 70.3              |
| 4               | 3.8                   | 65.3      | 23               | 61.5     | 63.3                | 51.8                  | 59.5              |
| 8               | 5.3                   | 60.8      | 24.5             | 55.4     | 58.8                | 45.7                  | 53.4              |
| 10              | 6                     | 59.3      | 25               | 53.4     | 57.3                | 43.8                  | 51.4              |
| 16              | 7.6                   | 56.2      | 25               | 48.7     | 54.2                | 39.7                  | 46.7              |
| 20              | 8.5                   | 54.8      | 25               | 46.3     | 52.8                | 37.8                  | 44.3              |
| 25              | 9.6                   | 53.3      | 24.3             | 43.8     | 51.3                | 35.8                  | 41.8              |
| 31.3            | 10.7                  | 51.9      | 23.6             | 41.2     | 49.9                | 33.9                  | 39.2              |
| 62.5            | 15.4                  | 47.4      | 21.5             | 32       | 45.4                | 27.9                  | 30                |
| 100             | 19.8                  | 44.3      | 20.1             | 24.5     | 42.3                | 23.8                  | 22.5              |
| 155             | 25.2                  | 41.5      | 18.8             | 16.3     | 39.5                | 20                    | 14.3              |

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|     |      |      |      |      |      |      |     |
|-----|------|------|------|------|------|------|-----|
| 200 | 29   | 39.8 | 18   | 10.8 | 37.8 | 17.8 | 8.8 |
| 250 | 32.9 | 38.3 | 17.3 | 5.5  | 36.3 | 15.8 | 3.5 |

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