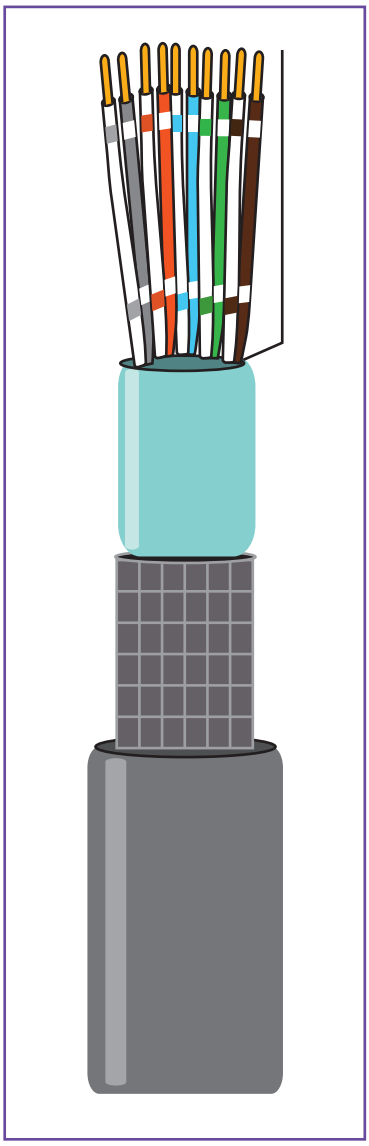
6 Pair Overall Foil and Braid Screened Pairs RS232 and RS423Low Capacitance Cable 24 AWG (Belden 8106 LSHF Equiv.)

Part number: 515-007

## Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, LSHF jacket.



### Conductor

| Number of pairs | AWG | Stranding | Conductor Material |
|---|---|---|---|
| 6 | 24 | 7x32 | TC- Tinned copper |

### Insulator

| Insulation Material | Wall Thickness (mm) |
|---|---|
| FPE - Foam Polyethylene | 0.330 |

### Outer Shield

| Layer# | Outer shield trade name | Type | Outer shield material | Coverage (%) |
|---|---|---|---|---|
| 1 | Beldfoil® (w/ shorting fold) | Tape | Aluminum Foil polyester tape | 100 |
| 2 | | Braid | TC - Tinned copper | 65 |

### Outer Jacket

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|---|---|
| LSHF | 0.889 |

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C
UL Temperature Rating: 80°C (UL AWM Style 2919)
Bulk Cable Weight: 80.363 Kg/Km
Max. Recommended Pulling Tension: 318.046 N
Min. Bend Radius/Minor Axis: 88.900 mm
Overall diameter: 8.661 mm

## Electrical Characteristics

**Impedance (Ohm):** 100
**Capacitance (pF/m):** 41.9968
**Nominal Velocity of Propagation:** 78
**DCR @ 20°C (Ohm/KM) :** 78.744
**Max. Operating Voltage:** 300 V RMS
**Max. Recommended Current:** 1.5 Amps per conductor @ 25 °C

Unit 10, The Dencora Centre, Campfield Road, St. Albans, Herts AL1 5HN, United Kingdom.
T 44 (0)1727 845750 | F 44 (0)1727 838780 | E info@gemcable.co.uk | W gemcable.co.uk