

## Data Cables

Below are just a very small selection of the data cable available, if you cannot find the cable for your application do not hesitate to call one of our dedicated sales lines who will be more than willing to help. Low Smoke Halogen Free (LSHF), SWA, duct grade data cable also available on request.

### Single Pair Foil Screened

#### Cable Application

General purpose foil screened single pair cables, frequently used in audio, data, and instrumentation applications. These cables have a polyethylene insulation which results in lower signal loss than standard PVC insulation.

Part number	AWG	Number of pairs	O/Dmm	Belden alternate to	Pair colours
DAT 8761	22	1	4.6	8761	Black/clear
DAT 8762	20	1	5.1	8762	Black/clear
DAT 8760	18	1	6.0	8760	Black/clear
DAT 8719	16	1	7.9	8719	Black/clear
DAT 8720	14	1	9.0	8720	Black/clear
DAT 8451	22	1	3.4	8451	Black/red

### Two Pair Individually Foil Screened 22AWG

#### Cable Application

Used extensively in the security industry for CCTV applications including telemetry. Also suitable for computer and instrumentation applications where it is important to provide a high level screening from external sources, together with a low level of cross talk between pairs. These cables have conductors of 24 AWG tinned copper wire PVC insulation and are laid up in twisted pairs with an overall Beldfoil aluminium-polyester shield providing screening sheathed in chrome pvc grey with a 24 AWG tinned copper drain wire.

Part number	AWG	Number of pairs	O/Dmm	Belden number
DAT 8723	22	2	4.2	8723

#### Pair Colours

Red & black  
Green & white



DAT 8723



DAT 8761

## Overall Foil Screened Multi Pairs 24AWG

### Cable Application

Widely used for computers, point of sale, control systems, and RS232 applications. This is a general purpose twisted pair cable with overall screen.

Part number	AWG	Number of pairs	O/Dmm	Belden number	Weight kg/km
DAT 9501	24	1	3.9	9501	19.3
DAT 9502	24	2	5.6	9502	31.4
DAT 9503	24	3	5.9	9503	39.9
DAT 9504	24	4	6.7	9504	48.9
DAT 9505	24	5	7.4	9505	56.9
DAT 9506	24	6	7.8	9506	69.00
DAT 9507	24	7	8.4	9507	72.2
DAT 9508	24	8	8.3	9508	78.8
DAT 9509	24	9	8.9	9509	92.8
DAT 9510	24	10	9.4	9510	98.0
DAT 9515	24	15	10.8	9515	135.0
DAT 9519	24	19	11.5	9519	164.6
DAT 9525	24	25	13	9525	215

### Pair Colours

<b>1 Pair:</b> Black & red	<b>10 Pairs:</b> Red & blue	<b>19 Pairs:</b> White & blue
<b>2 Pairs:</b> Black & white	<b>11 Pairs:</b> Red & yellow	<b>20 Pairs:</b> White & yellow
<b>3 Pairs:</b> Black & green	<b>12 Pairs:</b> Red & brown	<b>21 Pairs:</b> White & brown
<b>4 Pairs:</b> Black & blue	<b>13 Pairs:</b> Red & orange	<b>22 Pairs:</b> White & orange
<b>5 Pairs:</b> Black & yellow	<b>14 Pairs:</b> Green & white	<b>23 Pairs:</b> Blue & yellow
<b>6 Pairs:</b> Black & brown	<b>15 Pairs:</b> Green & blue	<b>24 Pairs:</b> Blue & brown
<b>7 Pairs:</b> Black & orange	<b>16 Pairs:</b> Green & yellow	<b>25 Pairs:</b> Blue & orange
<b>8 Pairs:</b> Red & white	<b>17 Pairs:</b> Green & brown	
<b>9 Pairs:</b> Red & green	<b>18 Pairs:</b> Green & orange	



DAT 9503

## Data Cables

### Individually Foil Screened Multi Pairs 22 AWG

#### Cable Application

Designed primarily for use in radio frequency applications requiring superior circuit isolation, also suited to computer and data transmission applications. The cables have conductors of 22 AWG tinned copper wire, polypropylene insulated, twisted pins, each pair having an individual Beldfoil aluminium-polyester foil screen. Overall sheath of chrome grey pvc and a 22 AWG tinned copper drain. LSHF versions are also available. 300V rated.

Part number	AWG	Number of pairs	O/Dmm	Belden number	Weight kg/km
DAT 8777	22	3	7.3	8777	68
DAT 8778	22	6	9.8	8778	127
DAT 8774	22	9	11.4	8774	152.7
DAT 8775	22	11	12.0	8775	194
DAT 8768	22	12	12.5	9768	210
DAT 8776	22	15	314	8776	271.2
DAT 9769	22	17	14.7	9769	309.7
DAT 8769	22	19	15.3	8769	334.4
DAT 8773	22	27	18.5	8773	452.6
DAT 9767	22	37	20.5	9767	621.4

#### Pair Colours

<b>1 Pair:</b> Black & red	<b>14 Pairs:</b> Green & white	<b>27 Pairs:</b> Brown & orange
<b>2 Pairs:</b> Black & white	<b>15 Pairs:</b> Green & blue	<b>28 Pairs:</b> Orange & yellow
<b>3 Pairs:</b> Black & green	<b>16 Pairs:</b> Green & yellow	<b>29 Pairs:</b> Purple & orange
<b>4 Pairs:</b> Black & blue	<b>17 Pairs:</b> Green & brown	<b>30 Pairs:</b> Purple & red
<b>5 Pairs:</b> Black & yellow	<b>18 Pairs:</b> Green & orange	<b>31 Pairs:</b> Purple & white
<b>6 Pairs:</b> Black & brown	<b>19 Pairs:</b> White & blue	<b>32 Pairs:</b> Purple & green
<b>7 Pairs:</b> Black & orange	<b>20 Pairs:</b> White & yellow	<b>33 Pairs:</b> Purple & blue
<b>8 Pairs:</b> Red & white	<b>21 Pairs:</b> White & Brown	<b>34 Pairs:</b> Purple & yellow
<b>9 Pairs:</b> Red & green	<b>22 Pairs:</b> White & orange	<b>35 Pairs:</b> Purple & brown
<b>10 Pairs:</b> Red & blue	<b>23 Pairs:</b> Blue & yellow	<b>36 Pairs:</b> Purple & black
<b>11 Pairs:</b> Red & yellow	<b>24 Pairs:</b> Blue & brown	<b>37 Pairs:</b> Grey & white
<b>12 Pairs:</b> Red & brown	<b>25 Pairs:</b> Blue & orange	
<b>13 Pairs:</b> Red & orange	<b>26 Pairs:</b> Brown & yellow	

Individually Foil Screened Multi Pairs 22 AWG



## Single Pair Unscreened

### Cable Application

General purpose single pair unscreened data cables for use in instrumentation, data, security, bus and audio applications where protection against electrical interference is not required. LSHF versions are also available.

Part number	AWG	Number of pairs	O/Dmm	Belden number	Pair colours	Weight kg/km
DAT 8442	22	1	4.32	8442	black/red	23
DAT 8205	20	1	4.57	8205	black/red	26
DAT 9740	18	1	6.0	9740	black/red	37
DAT 8471	16	1	6.96	8471	black/white	56
DAT 8473	14	1	8.5	8473	black/white	89

## Foil and Braid Shielded Pairs

### Cable Construction

24 AWG (7/0.2) TCW conductor, PE insulated, twisted pairs, overall aluminium/polyester foil shield with 24 AWG (7/0.2) TCW drain wire, overall TCW braid screen (90% coverage), grey PVC sheath. Grey LSHF sheath is also available and black UV resistant PE sheath is available too.

### Equivalents

Pairs	CSE reference	Belden	Diameter mm	Weight kg/km
1	DAT 9841	9841	5.90	64
1	DAT 9841-LSHF	-	5.90	64
2	DAT 9842	9842	8.60	95
2	DAT 9842-LSHF	-	8.60	95
2	DAT 9842-PE	-	8.60	118
3	DAT 9843	9843	9.20	108
4	DAT 9844	9844	9.90	125
4	DAT 9844-LSHF	-	9.90	125

### Electrical Characteristics

<b>Conductor DC Resistance:</b>	86.2 [ $\Omega$ /km]
<b>Rated Temperature:</b>	80°C [PE 70°C]
<b>Rated Voltage:</b>	300V
<b>Insulation Resistance:</b>	200 [M $\Omega$ /km]
<b>Nominal Capacitance:</b>	42 pF/M
<b>Velocity Ratio:</b>	66%
<b>Nimonal Impedance:</b>	120[ $\Omega$ /km]

### Colour Code

<b>1 Pair:</b>	Blue/white	<b>3 Pairs:</b>	White/green
<b>2 Pairs:</b>	Orange/white	<b>4 Pairs:</b>	White/brown

