

## YJ53305

## Multi-Conductor - Twist Pair Cable

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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### Description:

22AWG stranded tinned copper, polypropylene insulation, two pairs, individual Beldfoil® Shielded With 24 AWG stranded tinned copper drain wire, Overall LSZH jacket

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Conductors	4
Conductor Stranding	7X0.254mm
Nominal Conductor Area	0.355 mm <sup>2</sup>
Conductor Material	TC – Tinned Copper

#### INSULATION:

Insulation Material	PP-polypropylene
Nom. Insulation Diameter	1.17 mm

#### TWIST:

Twist Lay Length	38 mm
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#### SHIELD:

Outer Shield Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape w/Z-Fold
Outer Shield Coverage (%)	100
Drain Wire Conductor Material	TC – Tinned Copper
Drain Wire Conductor AWG	24
Drain Wire Conductor Stranding	7X0.20mm

#### OVERALL CABLING:

Overall Cabling Lay Length	38 mm
Overall Cabling Color Code Chart:	

Pair Number	Color
1	Black & Red
2	White & Green

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### OUTER JACKET:

Outer Jacket Material	LSZH – Low Smoke Zero Halogen
Min. Outer Jacket Wall Thickness	0.56 mm

### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	4.55 mm
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 15°C To + 80°C
Temperature Rating	+ 80°C @ maximum voltage
Voltage Rating	300V @ maximum temperature
Bulk Cable Weight	34.3 kg/km

### APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	June 2007

#### FLAME TEST:

Flame Test	IEC 60332-1
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#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Max. Conductor DC Resistance @ 20°C	59.4 Ω/km
Nom. Shielded DC Resistance @ 20°C	54.5 Ω/km
Nom. inductance	0.56 uH/m
Max. continues current per conductor (25°C)	2.3A
Nom. Impedance	45 OHMS
Nom. Capacitance Between conductor of Pair @ 1KHz	114.8 pF/m
Nom. Capacitance Conductor to Shielded @ 1KHz	203.4 pF/m
Testvoltage cond.~cond.(DC)	2.5 kv/3s
Testvoltage cond.~screen(DC)	2.5 kv/3s
Min. bending radius	10xCable diameter

### PUT-UPS AND COLORS:

Item	Description	Put-Up (metre)	Ship Weight (kg)	Jacket Color
YJ53305 0081000M	2Pair 22AWG PP/LSZH	1000	37.3	GRAY

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Revision Number: 1

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