Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

8422 Multi-Conductor - Two-Conductor, Low-Impedance Cable

For more Information
please call

1-800-Belden1

General Description:

22 AWG stranded (16x34) high-conductivity tinned copper conductors, polyethylene insulation, cotton braid, double tinned copper braid shield (85% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	22	16x34	High Conductivity TC - Tinned Copper	.031

Total Number of Conductors:	2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PE - Polyethylene	.021	.072

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.022

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Clear
2	Black

Overall Cabling Separator Material:	Cotton Braid
Overall Nominal Diameter:	0.231 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	93 lbs.
Min. Bend Radius/Minor Axis:	2.300 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
90

Nom. Inductance:

Inductance (µH/ft)
.22

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
18

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
32

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.5

Max. Operating Voltage - Non-UL:

Voltage
1000 V RMS

Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8422 060U1000	1,000 FT	31.000 LB	CHROME		2 #22 PE CBRD BRD PVC
8422 0601000	1,000 FT	33.000 LB	CHROME	C	2 #22 PE CBRD BRD PVC
8422 060500	500 FT	16.500 LB	CHROME	C	2 #22 PE CBRD BRD PVC

Notes:
C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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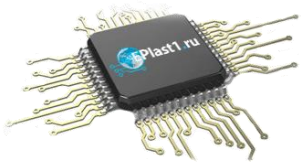
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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