

6502GE Multi-Conductor - Commercial Applications

For more Information
please call

1-800-Belden1

**Description:**

22 AWG BC conductors, Flamarrest® insulation, black/red twisted pair shielded w/Beldfoil® tape (alum side facing in), drain wire, cabled with additional insul conductor(s) as indicated, Flamarrest® jkt with ripcord. Seq footage marking every two feet.

Physical Characteristics (Overall)**Conductor**

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
2	1	22	7	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.009

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	1000

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

Color
Black and Red (shielded pair)
White
Green

Overall Nominal Diameter: 0.180 in.

Pair

Pair Lay Length & Direction:

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Lay Length (in.)	Twists (twist/ft)
1.500	8.000

Mechanical Characteristics (Overall)

Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	19.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius/Minor Axis:	1.800 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5502GE

Electrical Characteristics (Overall)**Nom. Inductance:**

Inductance (µH/ft)
.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
55

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
99

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.4

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
6502GE 008U1000	1,000 FT	21.000 LB	GRAY		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 009U1000	1,000 FT	21.000 LB	WHITE		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 010U1000	1,000 FT	21.000 LB	BLACK		1 FSPR + 2 CDR #22 FLRST FLRST
6502GE 877U1000	1,000 FT	21.000 LB	NATURAL		1FSPR+2CDR#22 FLRSTFLRST
6502GE 8771000	1,000 FT	21.000 LB	NATURAL	C	1FSPR+2CDR#22 FLRSTFLRST

Notes:

C = CRATE REEL PUT-UP.

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