# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



### 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:

#### 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:

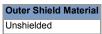


Inner Shield Drain Wire Stranding:

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### **Outer Shield**

#### **Outer Shield Material:**



#### **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 C	ompliance (Overall)
Applicable Standards & Environmental Prog	grams
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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#### 6502GE Multi-Conductor - Commercial Applications

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	С	1FSPR+2CDR#22 FLRSTFLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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# http://moschip.ru/get-element

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