

8446 Multi-Conductor - Audio, Control, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1

**Description:**

22 and 18 AWG stranded (7x30 and 16x30) tinned copper conductors cabled, PVC insulation, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
4	22	7x30	TC - Tinned Copper
2	18	16x30	TC - Tinned Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)	AWG
PVC - Polyvinyl Chloride	0.254	22
PVC - Polyvinyl Chloride	0.4826	18

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

Overall Cabling**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (m.)
57.149775	1.61544

Overall Cabling Color Code Chart:

Number	Color	AWG	Group/Cond. Color
1	22-Red	22	Red
2	Green	22	Green
3	Brown	22	Brown
4	Blue, 18-Black	22	Blue
1	White	18	Black
2		18	White

Overall Nominal Diameter:

5.994 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	56.552 Kg/Km
Max. Recommended Pulling Tension:	346.960 N
Min. Bend Radius (Install)/Minor Axis:	57.150 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 V 80°C)
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:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
98.43

Nom. Capacitance Cond. to Other Cond. & Ground:

Capacitance (pF/m)
177.174

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22 AWG	50.8555
18 AWG	22.3108

Max. Operating Voltage - UL:

Voltage
150 V RMS (UL AWM Style 2576)
300 V RMS

Max. Recommended Current:

Description	Current
22 AWG	2.5 Amps per conductor @ 25°C
18 AWG	5.6 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8446 060U1000	305 MT	18.597 KG	CHROME		4#22 2#18 PVC PVC
8446 060U500	152 MT	9.752 KG	CHROME		4#22 2#18 PVC PVC
8446 060100	30 MT	2.132 KG	CHROME		4#22 2#18 PVC PVC
8446 0601000	305 MT	19.505 KG	CHROME	C	4#22 2#18 PVC PVC
8446 060500	152 MT	9.752 KG	CHROME	C	4#22 2#18 PVC PVC

METRIC MEASUREMENT VERSION

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Notes:

C = CRATE REEL PUT-UP.

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