

## 88444 Multi-Conductor - Audio, Control and Instrumentation Cable



### Description:

22 AWG stranded (7x30) TC conductors, conductors cabled, FEP insulation, FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

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

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.006

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.010

#### Overall Cabling

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green

Overall Nominal Diameter: 0.121 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	14.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	36 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.500 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

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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

### Suitability

Suitability - Outdoor: Yes

Suitability - Burial: Yes

### Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 8444

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)

.15

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

18

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

### Nominal Conductor Loop Resistance:

Resistance @ 20°C (Ohm/1000 ft)

30

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

3.3 Amps per conductor @ 25°C (10°C rise in temp)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88444 002100	100 FT	2.900 LB	RED	C	4#22 FEP FEP
88444 0021000	1,000 FT	15.000 LB	RED	C	4#22 FEP FEP
88444 002500	500 FT	9.000 LB	RED	C	4#22 FEP FEP

### Notes:

C = CRATE REEL PUT-UP.

# Plenum-Rated

## Unshielded


### Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

**22 AWG** Stranded (7x30) Tinned Copper Conductors • Conductors Cabled

**Plenum • FEP Insulation • Red FEP Jacket**


300V RMS	<b>88444</b>	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500 <sup>†</sup> 1000 <sup>†</sup>	30.5 152.4 304.8	2.9 9.0 15.0	1.3 4.1 6.8	.006 .15 .010	.15 .25	.121	3.07
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Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**


300V RMS	<b>82444</b>	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-500 <sup>†</sup> U-1000 <sup>†</sup> 1000 <sup>†</sup>	U-152.4 U-304.8 304.8	9.0 16.0 15.0	4.1 7.3 6.8	.006 .15	.015 .38	.134	3.40
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**22 AWG** Stranded (7x30) Tinned Copper Conductors • Twisted Pairs

**Plenum • FEP Insulation • Red FEP Jacket**


300V RMS	<b>88442</b>	NEC: CMP CEC: CMP FT6	2	Black, Red	100 500 <sup>†</sup> 1000 <sup>†</sup>	30.5 152.4 304.8	2.3 5.5 8.0	1.0 2.5 3.7	.006 .15	.012 .30	.102	2.59
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Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest Jacket**

300V RMS	<b>82442</b>	NEC: CMP CEC: CMP FT6	2	Black, Red	U-1000 <sup>†</sup> 1000 <sup>†</sup>	U-304.8 304.8	9.0 8.0	4.1 3.7	.006 .15	.015 .38	.113	2.87
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**18 AWG** Stranded (19x30) Tinned Copper Conductors • Conductors Cabled

**Plenum • FEP Insulation • Red FEP Jacket**


300V RMS	<b>88489</b>	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	500 <sup>†</sup> 1000 <sup>†</sup>	152.4 304.8	14.5 29.0	6.6 13.2	.007 .18	.009 .23	.161	4.09
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Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest Jacket**

300V RMS	<b>82489</b>	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000 <sup>†</sup> 1000 <sup>†</sup>	U-304.8 304.8	31.0 29.0	14.1 13.2	.007 .18	.014 .36	.170	4.32
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<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.