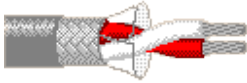


8208 Multi-Conductor - Audio, Control and Instrumentation Cable



Description:

Overall braid, 18 AWG stranded (16x30) tinned copper conductors, rubber insulation, twisted pair, separator + TC braid shield (73% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
Rubber	.022

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	73

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

Overall Cabling

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 0.257 in.

Pair

Pair Color Code Chart:

Number	Color
1	Red & White

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2	6

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 36 lbs/1000 ft.

Max. Recommended Pulling Tension: 69 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark: Yes

8208 Multi-Conductor - Audio, Control and Instrumentation Cable

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
MIL Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

44

Nom. Inductance:

Inductance (µH/ft)

0.20

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

46

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

77

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

5.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8208 060U1000	1,000 FT	42.000 LB	CHROME		1 PR #18 EPDM SHLD FRPVC
8208 060U500	500 FT	21.500 LB	CHROME		1PR #18 EPDM SHLD FRPVC
8208 060100	100 FT	4.700 LB	CHROME		1PR #18 EPDM SHLD FRPVC
8208 0601000	1,000 FT	43.000 LB	CHROME	C	1 PR #18 EPDM SHLD FRPVC
8208 060500	500 FT	20.000 LB	CHROME	C	1PR #18 EPDM SHLD FRPVC

Notes:


C = CRATE REEL PUT-UP.

Combination Unshielded and Braid Shield and Overall Braid Shield

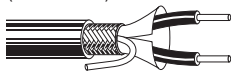
Audio, Control and Instrumentation Cables

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

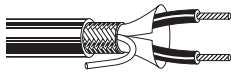
Combination • 22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • TC Braid Shield Over One Pair (62% Coverage)

Polyethylene Insulation • Chrome PVC Jacket																				
	UL AWM Style 2094 (300V 60°C)	8732	NEC: CM	2: (1) Shld	Black, Clear	500	152.4	17.5	7.9	.020	.51	.030	.76	.206	5.23	21	69	37	121	
			CEC: CM	(1) Unshld		U-1000	U-304.8	37.0	16.8					x	x					
						1000	304.8	39.0	17.7					.332	8.43					


Overall Braid • 22 AWG Solid TC Conductors • Twisted Pair • Polyester Tape + TC Braid Shield (88% Coverage) • 22 AWG Solid TC Drain Wire

PVC Insulation • Black PVC Jacket																				
	UL AWM Style 2095 (300V 80°C)	8437	NEC: CMG	1	Black, Red	1000	304.8	25.0	11.4	.015	.38	.025	.64	.200	5.08	48	157	85	279	
			CEC: CMG FT4																	

Overall Braid • 22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Polyester Tape + TC Braid Shield (86% Coverage) • Stranded TC Drain Wire

PVC Insulation • Black PVC Jacket																			
	UL AWM Style 2095 (300V 80°C)	8441	NEC: CMG	1	Black, Red	100	30.5	3.6	1.6	.015	.38	.025	.64	.210	5.33	49	161	86	282
			CEC: CMG FT4			U-500	U-152.4	14.0	6.4										
						500	152.4	14.0	6.4										
						U-1000	U-304.8	27.0	12.3										

Overall Braid • 18 AWG Stranded (16x30) Tinned Copper Conductors • Twisted Pair • Separator + TC Braid Shield (73% Coverage)

Rubber Insulation • Chrome PVC Jacket																			
	300V RMS 80°C	8208		1	Red, White	100	30.5	4.7	2.1	.022	.56	.025	.64	.257	6.53	46	151	77	253
						U-500	U-152.4	21.5	9.8										
						500	152.4	20.0	9.1										
						U-1000	U-304.8	42.0	19.1										

TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.