Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8404 Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



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Description:

20 AWG stranded (19x32) high-conductivity tinned copper conductors, polyethylene insulation, rayon braid, tinned copper braid shield (85% coverage), PVC jacket.

Physical Characteristics (Overall)	
Conductor	
AWG: # Conductors AWG Stranding Conductor Material	I Dia. (in.)
4 20 19x32 High Conductivity TC	
Insulation	
Insulation Material:	
Insulation Material Wall Thickness (in.) Dia. (in.)	
PE - Polyethylene .016 .069	
Outer Shield Outer Shield Material:	
Type Outer Shield Material Coverage (%)	
Braid TC - Tinned Copper 85	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride .032	
Overall Cabling Overall Cabling Color Code Chart:	
Number Color	
1 Clear	
2 Black 3 Red	
4 Green	
Overall Cabling Separator Material:	Rayon Braid
Overall Nominal Diameter:	0.252 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2094)
Bulk Cable Weight:	47 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.
Applicable Specifications and Agency C	ompliance (Overall)
Applicable Standards & Environmental Prog	yrams
AWM Specification:	UL Style 2094 (300 V 60°C)
EU CE Mark:	Yes

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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
MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	VW-1
Plenum/Non-Plenum	
Plenum (Y/N):	No
Electrical Characteristics (Overall)	
Nom. Characteristic Impedance:	
Impedance (Ohm)	
45	
Nom. Inductance:	
Inductance (μH/ft) .2	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft) 23	
Nom. Cap. Between Cond. in a Quad Config.:	
Capacitance (pF/ft) 49	
Nominal Velocity of Propagation:	
VP (%) 66	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 10.2	
Nominal Outer Shield DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 3.23	
Max. Operating Voltage - UL:	
Voltage 300 V RMS (UL AWM Style 2094)	
Max. Recommended Current:	
Current 3.1 Amps per conductor @ 25°C	
Other Electrical Characteristic 1	2/c 17 AWG equivalent DCP when connected to a 3 nin XI P

Other Electrical Characteristic 1:

2/c 17 AWG equivalent DCR when connected to a 3-pin XLR.

Notes (Overall)

Notes: Quad connection scheme: The two blue wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the two white wires (or remaining wires) are connected together to form the second conductor.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8404 060U1000	1,000 FT	48.000 LB	CHROME		4 #20 PE SHLD PVC
8404 060100	100 FT	5.400 LB	CHROME		4 #20 PE SHLD PVC
8404 0601000	1,000 FT	49.000 LB	CHROME	С	4 #20 PE SHLD PVC

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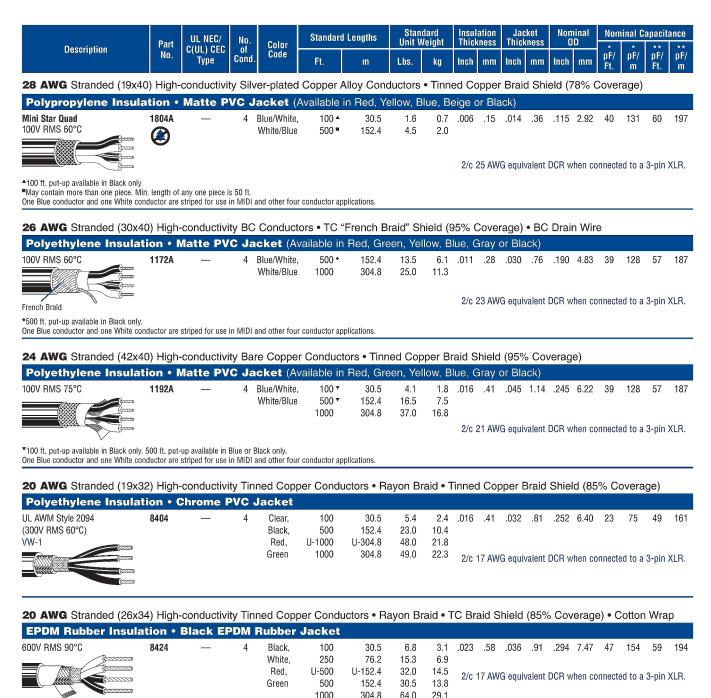
8404 060500	500 FT	23.000 LB	CHROME	С	4 #20 PE SHLD PVC

Notes: C = CRATE REEL PUT-UP.

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Microphone and Musical Instrument Cable

Four-Conductor Star Quad, Low-Impedance Cables⁺ High-Conductivity Copper



16 AWG Stranded (65x34) High-conductivity Tinned Copper Conductors • Rayon Braid • TC Braid Shield (85% Coverage) • Cotton Wrap

EPDM Rubber Insul	ation •	Black N	eopre	ene Jack	(et													
600V RMS 60°C	8407	—	4	Black,	100	30.5	11.3	5.1	.031	.79	.043	1.09	.416	10.57	30	98	66	216
VW-1				White,	250	76.2	28.3	12.8										
				Red, Green					2/c	13 AW	'G equi	/alent	DCR v	vhen co	nnecte	ed to a	3-pin	XLR.

¹Quad connection scheme: The two blue wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the two white wires (or remaining wires) are connected together to form the second conductor.

BC = Bare Copper • EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

*Capacitance between conductors. **Nom. capacitance between conductors in a Quad configuration.

🛞 Not RoHS compliant at time of printing



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