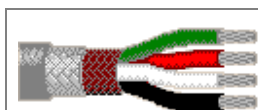


8404 Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



For more Information
please call

1-800-Belden1



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	Dia. (in.)
4	20	19x32	High Conductivity TC - Tinned Copper	0.037

Insulation:

Insulation Material

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PE - Polyethylene	0.016	0.069

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	0.032

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: .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 Compliance (Overall):

Applicable Standards:

AWM Specification UL Style 2094 (300 V 60°C)

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

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EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

Flame Test:

UL Flame Test VW-1

Plenum/Non-Plenum:

Plenum (Y/N) N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
45.000

Nom. Inductance

Inductance (µH/ft)
0.200

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
23.000

Nom. Cap. Between Cond. in a Quad Config.

Capacitance (pF/ft)
49.000

Nominal Velocity of Propagation

VP (%)
66

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
10.200

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
3.230

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 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 060100	100 FT	5.400 LB	CHROME		4 #20 PE SHLD PVC CHR
8404 0601000	1,000 FT	49.000 LB	CHROME	C	4 #20 PE SHLD PVC CHR
8404 060500	500 FT	23.000 LB	CHROME	C	4 #20 PE SHLD PVC CHR
8404 060U1000	1,000 FT	48.000 LB	CHROME		4 #20 PE SHLD PVC CHR

Notes:

C = CRATE REEL PUT-UP.

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