Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8424 Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



For more Information please call

1-800-Belden1



Description:

EU CE Mark:

20 AWG stranded (26x34) high-conductivity tinned copper conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM rubber jacket.

hysical Characteristics (Overall)	
Conductor	
AWG:	
# Conductors AWG Stranding Conductor Materia	
4 20 26x34 High Conductivity T	C - Tinned Copper 0.9398
nsulation	
Insulation Material:	Wall Thickness (mm) Dia. (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	
Outer Shield Outer Shield Material:	
TypeOuter Shield MaterialCoverage (%)BraidTC - Tinned Copper85	
Outer Shield Separator Material:	Cotton Wrap
Duter Jacket Outer Jacket Material:	
Outer Jacket Material	Nom. Wall Thickness (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.9144
NumberColor1Black2White3Red4Green	
Overall Cabling Separator Material:	Rayon Braid
Overall Nominal Diameter:	7.468 mm
echanical Characteristics (Overall)	
Operating Temperature Range:	-50°C To +90°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	90.780 Kg/Km
Max. Recommended Pulling Tension:	386.993 N
Min. Bend Radius (Install)/Minor Axis:	74.930 mm
pplicable Specifications and Agency C	Compliance (Overall)
Applicable Standards & Environmental Pro	
Applicable Standards & Environmental Pro	yians .

Yes

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8424 Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable

EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/96/EC (RoHS): Yes EU Directive 2002/96/EC (WEEE): Yes Mil Order #39 (China RoHS): Yes Mil Order #39 (China RoHS): Yes Plenum/Non-Plenum Non Plenum (Y/N): No Celectrical Characteristics (Overall) Nom: Characteristic Inpedance: Impedance (prim) Second Nom: Characteristic Inpedance: Inductance (prim) Second Nom: Capacitance Conductor to Conductor: Capacitance (prim) Second Nom: Cap. Between Cond. in a Quad Config.: Capacitance (prim) Second Nom: Cap. Between Cond. in a Quad Config.: Capacitance (prim) Second Nom: Cap. Between Cond. in a Quad Config.: Capacitance (prim) Second Nom: Cap. Between Cond. in a Quad Config.: Capacitance (prim) Second Nom: Cap. Between Cond. in a Quad Config.: Capacitance (prim) Second Nom: Cap. Between Cond. in a Quad Config.: Capacitance (prim) Second Nom: Conductor DC Resistance: DEG @ 20°C (Dimim) Second Nominal Outer Shield DC Resistance: DEG @ 20°C (Dimim) Second Second Second Nor: Conductor @ 25°C Name: Commended Current: Capacitance (Prim) Second Second Second Second Second Nor: Cap. Between Conductor @ 25°C Nor: Cap. Between Conductor @ 25°C		•
EUROHS 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 Mill Order #39 (China RoHS): Yes Plenum /Non-Plenum Plenum (YIN): Nom. Characteristics (Overall) No Nom. Characteristics (Impedance: Impedance (Impedance Commons) Inductance: Inductance (Impedance Commons) Inductance (Impedance Conductor to Conductor: Casosa (Impedance Commons) Issues Impedance (Impedance (Impedance)) Nom. Capacitance Conductor to Conductor: Casosa (Impedance) Inductance (Impedance (Impedance)) Impedance (Impedance) Inductance (Impedance) Impedance) Inductance (Impedance) Impedance) Inductance (Impedance) Impedance) Inductance) Impedance)	rective 2000/53/EC (ELV): Y	/es
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EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Plenum/Non-Plenum No Plenum (Y/N): No Electrical Characteristics (Overall) No Nom. Characteristic Impedance: Impedance (Dhr) 52 Nom. Characteristic Impedance: Inductance (µ/m) . 154.207 Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) . Nom. Cap. Between Cond. in a Quad Config.: Capacitance (pF/m) 154.207 . Nom. Conductor DC Resistance: . VP (%) . Source (pF/m) . 133.4062 . Nominal Outer Shield DC Resistance: . VC @ 20°C (Ominkm) . 13.4062 . Nominal Outer Shield DC Resistance: . VC @ 20°C (Ominkm) . 13.4062 . Nominal Outer Shield DC Resistance: . Verdiage . @ OV C (Ominkm) </th <th>oHS Compliance Date (mm/dd/yyyy): 0</th> <th>1/01/2004</th>	oHS Compliance Date (mm/dd/yyyy): 0	1/01/2004
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Voltage 600 V RMS Max. Recommended Current: Current		
Voltage 600 V RMS Max. Recommended Current: Current	rating Voltage - UL:	
Max. Recommended Current: Current		
Current		
3.2 Amps per conductor @ 25°C		
	s per conductor @ 25°C	
Other Electrical Characteristic 1: 2/c 17AWG equivalent DCR when connected to a 3-pin XLR	Electrical Characteristic 1: 2	/c 17AWG equivalent DCR when connected to a 3-pin XLR

Notes (Overall)

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8424 010U500	152 MT	14.515 KG	BLACK		4 #20 EPDM SHLD EPDM

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8424 Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable

8424 010100	30 MT	3.084 KG	BLACK		4 #20 EPDM SHLD EPDM
8424 0101000	305 MT	29.030 KG	BLACK	С	4 #20 EPDM BRD EPDM
8424 010250	76 MT	6.917 KG	BLACK	С	4 #20 EPDM BRD EPDM
8424 010500	152 MT	13.835 KG	BLACK	С	4 #20 EPDM BRD EPDM

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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