Detailed Specifications & Technical Data



8771 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)	
Physical Characteristics (Overall) Conductor	
AWG:	
# Conductors AWG Stranding Conductor Material	
3 22 7x30 TC - Tinned Copper	
Total Number of Conductors:	3
Insulation	
Insulation Material: Insulation Material Wall Thickness (in.)	
PE - Polyethylene .016	
Outer Shield Outer Shield Material:	
Outer Shield Trade Name Type Outer Shield Material	Coverage (%)
Beldfoil® Tape Aluminum Foil-Polyester Tape	e w/Shorting Fold 100
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Material 22 7x30 TC - Tinned Copper	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride .033	
Overall Cable	
Overall Cabling Lay Length & Direction:	
Length (in.) Direction Twists (twist/ft) 2.000 Left Hand 6.000	
Overall Cabling Color Code Chart:	
Number Color	
1 Black	
2 Red	
3 Clear	
Overall Nominal Diameter:	0.199 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2093)
Bulk Cable Weight:	22 lbs/1000 ft.
Max. Recommended Pulling Tension:	36 lbs.
Min. Bend Radius/Minor Axis:	2 in.
Applicable Specifications and Agency Compliance	e (Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	СМ
NEC Articles:	800
CEC/C(UL) Specification:	СМ
AWM Specification:	UL Style 2093 (300 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8771 Multi-Conductor - Audio, Control and Instrumentation Cable

EU Ce Nark:YesEU Directive 2000/35EC (EUV):YesEU Directive 2002/35EC (RoHS):YesEU Directive 2002/35EC (WEEE):YesEU Directive 2002/35EC (WEEE):YesBuild Order 38D (Chine RoHS):YesBuild Order 38D (Chine RoHS):YesSulta Order 38D (Chine RoHS):YesPatter TotTotBuild Order 38D (Chine RoHS):YesPatter TotYesPatter TotYesPatter TotYesPatter TotYesPatter TotYesPatter TotYesPatter TotYesPatter TotYesPatter TotYesPatter Tot TotYesPatter Tot Tot TotYesPatter Tot Tot Tot Tot ConductorYesPatter Tot Tot Tot Tot Conductor Of Shield:YesPatter Tot Tot Tot Tot Conductor De Shield:YesPatter Tot Tot Tot Shield Or Conductor A Shield:YesPatter Tot Tot Tot Tot Shield Or Conductor A Shield:YesPatter Tot Tot Tot Tot Shield Or Conductor A Shield:YesPatter Tot		
EU Directive 2002995/EC (RoHS): Yes EU RoHS Compliance Date (mmiddyyyy): 01/01/2004 EU Directive 2002996/EC (WEEE): Yes EU Directive 2002996/EC (WEEE): Yes Mill Order #38 (China RoHS): Yes Soft Fame Test: UL 1665 UL Loading Soft Fame Test: UL 1665 UL Loading Soft Fame Test: Yes Plenum (YM): Yes Plenum (YM): No Capacitance (Defm) No Non: Capacitance Conductor to Conductor: Yes Capacitance (Defm) No Non: Capacitance Conductor to Conductor: Yes Mon: Capacitance Conductor to Conductor: Yes Capacitance (Defm) No Non: Capacitance Conductor to Conductor: Yes Mon: Capacitance Conductor to Conductor: Yes Source Capacitance (Defm) Yes Non: Canductor Conductor to Conductor &	EU CE Mark:	Yes
EU RoHS Compliance Date (mm/dd/yyy): 01/01/2004 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes Int Order #39 (Chins RoHS): Yes Mill Order #39 (Chins RoHS): Yes Flame Test: UL 1885 UL Loading CSA Flame Test: FT1 Stability - Indoor: Yes Plenum (YiN): No Stability - Indoor: Yes Plenum (YiN): No Capacitance (Pf7)] 23 23 Stability Nom: Capacitance (Pf7)] Yes 23 Stability Nom: Capacitance (Pf7)] Yes 23 Stability Nom: Capacitance (Pf7)] Yes Yes Yes DCR @ 20'C (Ohm/100 ft) Yes Nom: Capacitance (Pf7)] Yes 23 Yes Nom: Capacitance (Pf7)] Yes 15 Yes Nom: Capacitance (Pf7)] Yes 16	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes MII Order #39 (China RoHS): Yes Flame Test UL 1685 UL Loading US: SA Flame Test: UL 1685 UL Loading Statability Statability - Indoor: Yes Suitability Suitability - Indoor: Yes Plenum/Non-Plenum Plenum (YR): No Plenum (YR): No No Capacitance (pf:ft) 23 Nom. Capacitance Conductor to Conductor: Capacitance (pf:ft) Nom. Nom. Capacitance (pf:ft) Nom. Capacitance (pf:ft) Nom. Nom.	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Flame Tost UL 1685 UL Loading CSA Flame Tost: UL 1065 UL Loading Suitability Status Suitability F11 Suitability Yes Plenum (Yik): No Plenum (Yik): No Capacitance Conductor to Conductor: Capacitance (pf/f) Za Nom. Capacitance (pf/f) Nom. Capacitance (pf/f) No Nom. Conductor D C Resistance: DCR 202C (Ohm/1000 ft) Nom. Influence Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Nominal Outer Shield D C Resistance: DRG 202C (Ohm/1000 ft) Yes (Ohm/	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Flame Test UL Flame Test: UL 1885 UL Loading CSA Flame Test: FT1 Suitability Suitability Suitability Yes Plenum (YiN): Yes Plenum (YiN): No Capacitance Conductor to Conductor is Conductor is Conductor to Conductor to Conductor to Conductor to Conductor to Conductor & Shield: Capacitance (pf/fd) 13 Sintability Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pf/fd) 11.7 Max. Operating Voltage - UL: Vising 300 V RMS Max. Recommended Current: Description Description Current 118C Temperature Rise (2.9 Amps per conductor @ 25°C ambient	EU Directive 2002/96/EC (WEEE):	Yes
MI Order #39 (China RoHS): Yes Flame Test: UL 1885 UL Loading UL Flame Test: UL 1885 UL Loading Suitability Suitability Suitability Yes Plonum/Non-Plenum Plonum (YIN): Non. Capacitance (Dr/ft) No Capacitance (Dr/ft) No Non. Capacitance (Dr/ft) No Non. Capacitance (Dr/ft) No DR. Capacitance (Dr/ft) No Non. Capacitance (Dr/ft) No Mon. Capacitance (Dr/ft) No DR. Capacitance (Dr/ft) No Mon. Capacitance (Dr/ft) No Min. Capacitance (Dr/ft) No Min. Capacitance (Dr/ft) No Min. Capacitance (Dr/ft) No 115 Nom/Good ft) Intervention Nom/Good ft) Intervention Nom/Good ft) Intervention 20 C (Ohm/1000 ft) Intervention 20 C Nom/Good ft) Intervention Suitability Max. Operating Voltage - UL: Voltage Voltage Interventin Intervention Su	EU Directive 2003/11/EC (BFR):	Yes
Flame Test UL Flame Test: UL 1885 UL Loading CSA Flame Test: FT1 CSA Flame Test: FT1 Suitability GSA Flame Test: FT1 Suitability Suitabili	CA Prop 65 (CJ for Wire & Cable):	Yes
UL Fame Test: UL 1085 UL Loading CSA Flame Test: FT1 Suitability Yes Suitability - Indoor: Yes Plenum (YN): No Capacitance Conductor IS COverall) No Nom. Capacitance (pf/fl) 23 Yes Yes Def 20°C (Ohm/1000 ft) Yes 10. Testistance: Def 20°C (Ohm/1000 ft) Yes 30. V RMS Yotage James Conductor net to Conductor @ 25°C ambient	MII Order #39 (China RoHS):	Yes
CSA Flame Test: FT1 Suitability suitability - Indoor: Yes Plenum/Non-Plenum Plenum (Y/N): No Plenum (Y/N): No Suitability - Indoor: Capacitance Conductor to Conductor: Capacitance (pf/fi) Suitability - Indoor: Zapacitance (pf/fi) 23 Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Capacitance (pf/fi) Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Capacitance (pf/fi) Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Capacitance (pf/fi) Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Capacitance (pf/fi) Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor: Suitability - Indoor:	Flame Test	
Suitability Yes Plenum/Non-Plenum No Plenum (YiN): No Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 23 Nom. Capacitance (pF/ft) 24 Nom. Capacitance (pF/ft) 25 Nom. Capacitance (pF/ft) 24 Nom. Capacitance (pF/ft) 15 Nom. Capacitance (pF/ft) 16 DCR @ 20°C (Ohm/1000 ft) 17.7 Nom. Capacitance: Voltage 20°C (Ohm/1000 ft) Nom. Capacitance (pF/ft) 17.7 Nom. Capacitance: DCR @ 20°C (Ohm/1000 ft) Nom. Capacitance: Voltage out: Voltage - UL: Voltage 300 V RMIS Nax. Recommended Current: 10C Temperature Rise 2.9 Amps per conductor @ 25°C ambient	UL Flame Test:	UL1685 UL Loading
Suitability - Indoor: Yes Plenum/Non-Plenum No Plenum (YiN): No Capacitance Conductor to Conductor: Capacitance (PF/ft) Za Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (PF/ft) Nom. Capacitance (PF/ft) Xom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) Nom. 17. Nom. Max. Operating Voltage - UL: Voltage Voltage Survertition Max. Recommended Current: Description Description Current 10C Temperature Rise 2.9 Amps per conductor @ 25°C ambient	CSA Flame Test:	FT1
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Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 23 Nom. Capacitance cond. to Other Conductor & Shield: Capacitance (pF/ft) 41 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 11.7 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Description Current 10C Temperature Rise 2.9 Amps per conductor @ 25°C ambient	Plenum/Non-Plenum	
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 23 Nom. Capacitance cond. to Other Conductor & Shield: Capacitance (pF/ft) 41 Mom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 11.7 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Description Current 10C Temperature Rise 2.9 Amps per conductor @ 25°C ambient	Plenum (Y/N):	No
	23 Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/ft) 41 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15 Nomial Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 11.7 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Description	
Put Ups and Colors:		
	out Ups and Colors:	

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8771 060U1000	1,000 FT	23.000 LB	CHROME		3 #22 PE FS PVC
8771 060U500	500 FT	12.000 LB	CHROME		3 #22 PE FS PVC
8771 0601000	1,000 FT	24.000 LB	CHROME	С	3 #22 PE FS PVC
8771 06010000	10,000 FT	240.000 LB	CHROME	CY	3 #22 PE FS PVC
8771 060250	250 FT	6.250 LB	CHROME		3 #22 PE FS PVC
8771 060500	500 FT	12.000 LB	CHROME		3 #22 PE FS PVC

Notes:

C = CRATE REEL PUT-UP. Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 3 Revision Date: 08-05-2013

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