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1-800-Belden1



General Description:

Lighting & Automation Cable, Riser-CMR, 2-18 AWG bare copper conductors, PVC insulation (power), unshielded and 1 pair 22 AWG stranded bare copper, FPE insulation (data), Beldfoil@shield w drain, PVC jacket.

Usage (Overall)

Suitable Applications: Automation/Control

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	1	22	7x30	BC - Bare Copper
2		18	16x30	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	AWG
S-R PVC - Semi-Rigid Polyvinyl Chloride	18
FPE - Foam Polyethylene	22

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material
22 AWG Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: No

Overall Cable

Overall Nominal Diameter: 6.350 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & White
2	Red & Black

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 59.528 Kg/Km

Max. Recommended Pulling Tension: 266.002 N

Min. Bend Radius/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
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:	UL1666 Vertical Tray, UL1685 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1392P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
22 AWG Pair	100

Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
22 AWG Pair	45.934
18 AWG Pair	95.149

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22 AWG	53.4803
18 AWG	22.6389

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
22 AWG	3.8 Amps per conductor @ 25°C
18 AWG	7.2 Amps per conductor @ 25°C

Notes (Overall)

Notes: Sequential footage marking every two feet.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1392A G751000	1,000 FT	40.000 LB	AQUA		2C22FS + 2C18 CMR
1392A G75500	500 FT	20.500 LB	AQUA		2C22FS + 2C18 CMR
1392A 0091000	1,000 FT	40.000 LB	WHITE		2C22FS + 2C18 CMR
1392A 009500	500 FT	20.500 LB	WHITE		2C22FS + 2C18 CMR
1392A 0101000	1,000 FT	40.000 LB	BLACK		2C22FS + 2C18 CMR
1392A 010500	500 FT	20.500 LB	BLACK		2C22FS + 2C18 CMR

METRIC MEASUREMENT VERSION

1392A Multi-Conductor - Media, Automation and Lighting Control

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