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1-800-Belden1



General Description:

2 Conductor 16AWG and 2 Conductor 22AWG, Riser

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	16	19x29	TC - Tinned Copper
2	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	AWG
PVC - Polyvinyl Chloride	0.012	22
PVC - Polyvinyl Chloride	0.015	16

Insulation Color Code Chart:

Number	Color	Description
1	Red	22 AWG
2	Gray	22 AWG
3	Black	16 AWG
4	White	16 AWG

Individual Shield

Electrical Characteristics

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
22 AWG	17.500
16 AWG	4.500

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.800

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.025

Overall Cable

Overall Nominal Diameter: 0.250 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Bulk Cable Weight: 48 lbs/1000 ft.

Max. Recommended Pulling Tension: 147 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

7825R Composite - HD Camera Electrical Cable

CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	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
Other Specification:	SMPT311

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	7815P

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7825R 0101000	1,000 FT	50.000 LB	BLACK		COMPOSITE CABLE BRD PVC
7825R 0102000	2,000 FT	102.000 LB	BLACK		COMPOSITE CABLE BRD PVC

Revision Number: 0 Revision Date: 03-27-2015

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