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1-800-Belden1



General Description:

2 Conductor 16AWG and 2 Conductor 22AWG, Plenum

Usage (Overall)

Suitable Applications: HD Camera Electrical Cable

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 Trade Name	Insulation Material	Wall Thickness (mm)	AWG
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.279	22
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.254	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/km)
22 AWG	57.418
16 AWG	14.765

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
9.187

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 Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.406

Overall Cable

7825P Composite - HD Camera Electrical Cable

Overall Nominal Diameter: 5.385 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 66.969 Kg/Km

Max. Recommended Pulling Tension: 653.885 N

Min. Bend Radius/Minor Axis: 57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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: SMPTE311

Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 7815R

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7825P 8771000	1,000 FT	47.000 LB	NATURAL		COMPOSITE CABLE BRD FLRST
7825P 8772000	2,000 FT	94.000 LB	NATURAL		COMPOSITE CABLE BRD FLRST
7825P 8774000	4,000 FT	188.000 LB	NATURAL		COMPOSITE CABLE BRD FLRST

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