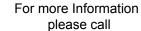
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7825R Composite - HD Camera Electrical Cable



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 (mm)	AWG
PVC - Polyvinyl Chloride	0.305	22
PVC - Polyvinyl Chloride	0.381	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:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Overall Cable

Overall Nominal Diameter: 6.350 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Bulk Cable Weight:	71.434 Kg/Km
Max. Recommended Pulling Tension:	653.885 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
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Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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:	SMPTE311
me Test	
UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4
itability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	7815P
	EU Directive 2011/65/EU (ROHS II): EU Directive 2000/53/EC (ELV): EU Directive 2002/95/EC (ROHS): EU Directive 2002/96/EC (WEEE): EU Directive 2003/11/EC (BFR): CA Prop 65 (CJ for Wire & Cable): MII Order #39 (China RoHS): Other Specification: me Test UL Flame Test: CSA Flame Test: itability Suitability - Indoor: puum/Non-Plenum Plenum (Y/N):

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

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