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General Description:

Video Cable , Plenum-CMP, 5-25 AWG solid bare copper, foam FEP insulation, Beldfoil®+95% tinned copper interlocked serve, inner Flamarrest® jackets, Flamarrest® jacket

Usage (Overall)

Suitable Applications: Video

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	25	Solid	TC - Tinned Copper	0.457

Total Number of Conductors: 5

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FEP - Foam FEP	1.880

Inner Shield

Inner Shield Material:

Layer #	Type	Inner Shield Material	Coverage (%)
1	Tape	Aluminum Foil-Polyester Tape	100.000
2	Serve	TC - Tinned Copper	95.000

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.642

Inner Jacket Color Code Chart:

Number	Color
1	Gray #1
2	Gray #2
3	Gray #3
4	Gray #4
5	Gray #5

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 6.985 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 68.457 Kg/Km

Max. Recommended Pulling Tension: 88.964 N

Min. Bend Radius (Each Coax): 31.750 mm

Min. Bend Radius (Overall): 76.200 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

Flame Test

UL Flame Test:	NFPA 262 Plenum Flame Test (UL910)(FT6)
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1397S5

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.777

Nominal Velocity of Propagation:

VP (%)
80

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
111.554

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.7174

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.70612
5	3.83877
50	12.1397
100	16.0769
200	21.9827
400	31.1695
750	43.9654
900	49.215
1000	51.8398
3000	102.367

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
1.000	1000.000	15.000

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1398S5 0081000	1,000 FT	51.000 LB	GRAY		5X #25RGB COAX CMP BANANA PEEL
1398S5 008250	250 FT	14.750 LB	GRAY		5X #25RGB COAX CMP BANANA PEEL

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1398S5 Coax - RGB Video Cable

1398S5 008500	500 FT	27.000 LB	GRAY		5X #25RGB COAX CMP BANANA PEEL
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