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General Description:

12-conductor EFP and ENG camera cable, foam polyethylene (coax) and polypropylene (pairs) insulation, overall PVC jacket.

Coax

Physical Characteristics

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
2	25	7x33	BC - Bare Copper	0.559

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	2.540

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	% Coverage (%)
Braid	TC - Tinned Copper	93

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.810

Inner Jacket Color Code Chart:

Number	Color
1	Black
2	Black with Hash Marks

Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs

EU CE Mark:

No

Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.761

Nominal Velocity of Propagation:

VP (%)
78.000

Nominal Delay:

Delay (ns/m)
4.265

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
102.367

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
19.686

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.312
10.000	4.922

50.000	12.468
100.000	18.374
300.000	34.779
500.000	45.278

Max. Operating Voltage - Non-UL:

300 V RMS

Twisted Pair**Physical Characteristics****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
5	24	7x32	TC - Tinned Copper	0.610

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	1.118

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Dia. (mm)	Conductor Material
24	19x36	0.635	TC - Tinned Copper

Inner Jacket

Inner Jacket Color Code Chart:

Number	Color
1	Black and Red
2	Black and White
3	Black and Green
4	Black and Blue
5	Black and Yellow

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
88.587

Nominal Velocity of Propagation:

VP (%)
66.000

Nominal Delay:

Delay (ns/m)
5.053

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
59.058

Max. Operating Voltage - Non-UL:

Voltage	Description
null	300 V RMS

Physical Characteristics (Overall)**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter:

12.446 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:

-50°C To +75°C

Non-UL Temperature Rating:

75°C

Bulk Cable Weight:

156.261 Kg/Km

Max. Recommended Pulling Tension:

484.854 N

Min. Bend Radius/Minor Axis: 152.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

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: VW-1

Plenum/Non-Plenum

Plenum (Y/N): No

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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