Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9265 Composite - ENG, EFP and CCTV Cable

For more Information
please call

1-800-Belden1

General Description:

22 AWG stranded (7x30) conductors, foam polyethylene insulation (coax) and PVC (Pairs) insulation, coax w/BC braid shield (95% coverage), (1) twisted pair w/Beldfoil® shield, 22 AWG drain wire, PVC jacket.

Coax

Physical Characteristics

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	BC - Bare Copper	0.762

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	3.708

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	% Coverage (%)
Braid	BC - Bare Copper	95

Applicable Specifications and Agency Compliance

Applicable Standards & Environmental Programs

EU CE Mark:	No
RG Type:	59/U

Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.295

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)
49.215

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

8.531

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.984
5.000	2.297
10.000	3.281
50.000	6.890
100.000	9.843

Other Electrical Characteristic 1: Coax Nominal Voltage Breakdown Jacket (Shield to Ground) = 22kV RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	TC - Tinned Copper	0.762

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.372

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

AWG	Stranding	Dia. (mm)	Conductor Material
22	7x30	0.762	TC - Tinned Copper

Inner Jacket

Inner Jacket Color Code Chart:

Number	Color
1	Black
2	Red

Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
35

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
313.336

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
167.331

Nominal Velocity of Propagation:

VP (%)
58.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
36.091

Other Electrical Characteristic 1: Twisted Pair Nominal Voltage Breakdown Jacket (Shield to Ground) = 19kV RMS

Physical Characteristics (Overall)

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter:	11.938 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	86.316 Kg/Km
Max. Recommended Pulling Tension:	302.478 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 20006
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):	04/01/2005
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:	UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage
30 V RMS

Notes (Overall)

Notes: Simaese Type Construction.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9265 0101000	305 MT	28.123 KG	BLACK	C	1 SH PR#22,1 75 OHM COAX
9265 010500	152 MT	14.742 KG	BLACK	C	1 SH PR#22,1 75 OHM COAX

Notes:
C = CRATE REEL PUT-UP.

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Revision Number: 0 Revision Date: 08-23-2012

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