# **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:		
	Conductor Material Dia. (mm)	
1 22 7x30	BC - Bare Copper 0.762	
Insulation		
Insulation Material:		
Insulation Material FPE - Foam Polyethylene	Dia. (mm)	
	5.700	
Inner Shield		
Inner Shield Material: Type Inner Shield Mater	ial % Coverage $(%)$	
Braid BC - Bare Copper	95	
Applicable Specifications	Environmental Program	
EU CE Mark:		
RG Type: Electrical Characteristics	59	 
Nom. Characteristic Imped		
Nom. Inductance: Inductance (µH/m) 0.295		
Nom. Capacitance Conduc	tor to Shield:	
Capacitance (pF/m) 56.761		
Nominal Velocity of Propag	gation:	
<b>VP (%)</b> 78.000	-	
Nominal Delay:		
<b>Delay (ns/m)</b> 4.265		
Nom. Conductor DC Resis	tance:	
DCR @ 20°C (Ohm/km) 49.215		
Nom. Inner Shield DC Resi	stance:	
DCR @ 20°C (Ohm/km)		

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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:	Ŋ
Conductor	Ŋ
	1)
# Pairs AWG Stranding Conductor Material Dia. (mn	
1 22 7x30 TC - Tinned Copper 0.762	
Insulation Insulation Material:	
Insulation MaterialDia. (mm)PVC - Polyvinyl Chloride1.372	
Inner Shield Inner Shield Material:	
Inner Shield Trade Name Type Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®) Tape Aluminum Foil-Polyest	
Inner Shield Drain Wire AWG:	
AWG Stranding Dia. (mm) Conductor Material	
22 7x30 0.762 TC - Tinned Copper	
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:	
<b>VP (%)</b> 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

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Physical Characteristics (Overall)				
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 Cor	nnliance (Overall)			
Applicable Specifications and Agency Con Applicable Standards & Environmental Progra				
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	С	1 SH PR#22,1 75 OHM COAX
9265 010500	152 MT	14.742 KG	BLACK	С	1 SH PR#22,1 75 OHM COAX

Notes: C = CRATE REEL PUT-UP.



#### 9265 Composite - ENG, EFP and CCTV Cable

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

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