

9165 Composite - ENG, EFP and CCTV Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

22 AWG stranded (7x30) conductors, foam polyethylene (coax) and PVC (Pairs) insulation, coax w/BC braid shield (95% coverage), (3) STP, each pair w/Beldfoil shield, 22 AWG drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

COAX:

Number of Coax	1
RG Type (Single Coax)	59/U

CONDUCTOR :

Coax AWG	22
Coax Stranding	7x30
Coax Conductor Diameter	.030 in.
Coax Conductor Material	BC - Bare Copper

INSULATION :

Coax Insulation Material	FPE - Foam Polyethylene
Coax Insulation Diameter	.146 in.

INNER SHIELD :

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

TWISTED PAIR CABLE(S):

CONDUCTOR :

Number of Pairs	3
Twisted Pair AWG	22
Twisted Pair Stranding	7x30
Twisted Pair Conductor Diameter	.030 in.
Twisted Pair Conductor Material	TC - Tinned Copper

INSULATION :

Twisted Pair Insulation Material	PVC - Polyvinyl Chloride
Twisted Pair Insulation Diameter	.054 in.

INNER SHIELD :

Twisted Pair Inner Shield Material Trade Name	Beldfoil® (Z-Fold®)
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Twisted Pair Inner Shield Type	Tape
Twisted Pair Inner Shield Material	Aluminum Foil-Polyester Tape
Twisted Pair Inner Shield % Coverage	100 %
Twisted Pair Inner Shield Drain Wire AWG	22
Twisted Pair Inner Shield Drain Wire Stranding	7x30
Twisted Pair Inner Shield Drain Wire Diameter	.030 in.
Twisted Pair Inner Shield Drain Wire Cond.Material	TC - Tinned Copper

INNER JACKET :

Twisted Pair Inner Jacket Color Code Chart :

Number	Color
1	Black & Red
2	Orange & Brown
3	Green & White

OVERALL CABLING:

OUTER JACKET :

Overall Cabling Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL DIAMETER :

Overall Composite Cabling Nominal Diameter	.290 x .561 in.
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MECHANICAL CHARACTERISTICS:

OVERALL CABLING:

Overall Cabling Operating Temperature Range	-40°C To +60°C
Overall Cabling Non-UL Temperature Rating	60°C
Overall Cabling Bulk Cable Weight	83.6 lbs/1000 ft.
Overall Cabling Max. Recommended Pulling Tension	147 lbs.
Overall Cabling Min. Bend Rad.(Install)/Minor Axis	3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

COAX:

APPLICABLE STANDARDS :

Coax EU CE Mark (Y/N)	No
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OVERALL CABLING:

APPLICABLE STANDARDS :

Overall Cabling NEC/(UL) Specification	CL2X
Overall Cabling AWM Specification	UL Style 20006
Overall Cabling EU RoHS Compliant (Y/N)	Yes
Overall Cabling EU RoHS Compliance (mm/dd/yyyy):	04/01/2005

PLENUM/NON-PLENUM :

Overall Cabling Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

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COAX:

Coax Nom. Characteristic Impedance	75 Ohms
Coax Nom. Inductance	.09 μ H/ft
Coax Nom. Capacitance Conductor to Shield	17.3 pF/ft
Coax Nominal Velocity of Propagation	78 %
Coax Nominal Delay	1.3 ns/ft
Coax Nom. Conductor DC Resistance @ 20 Deg. C	15.0 Ohms/1000 ft
Coax Nom. Inner Shield DC Resistance	2.6 Ohms/1000 ft

Coax Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.3
	5			.7
	10			1.0
	50			2.1
	100			3.0
	400			7.4

MULTICONDUCTOR CABLE(S):

Multi-Conductor Nom. Characteristic Impedance	35 Ohms
Multi-Conductor Nom. Cap. Cond. to Cond. @ 1 kHz	51.0 pF/ft
Multi-Conductor Nominal Velocity of Propagation	58 %
Multi-Conductor Nominal Outer Shield DC Resistance	11 Ohms/1000 ft

OVERALL CABLING:

Overall Cabling Max. Operating Voltage - UL	30 V RMS
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NOTES:

OVERALL CABLING:

Overall Cabling Notes	Siamese Type Construction
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9165 0101000	3 SH PR#22,1 75 OHM COAX	1000	94	BLACK	C
9165 010500	3 SH PR#22,1 75 OHM COAX	500	50	BLACK	C

C = CRATE REEL PUT-UP.

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