



THE DATASHEET OF
549945 010500





Part Number: 549945

PTZ, RG-59 #20, #18-2c, CMG, Siamese

Product Description

PTZ (CCTV + Power/Audio) Cable, Rated-CMG, 1-RG59 20 AWG solid bare copper with foam polyethylene, 95% bare copper braid, 1-18 AWG stranded bare copper pair with polypropylene insulation unshielded, Siamese with PVC jacket

Technical Specifications

Suitable Applications:	CCTV plus Audio, Pan and Tilt CCTV Control
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Coax Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax	Insulation Material	Insulation Nominal Diameter
18	Solid	BC - Bare Copper	0.032 in	1	Gas-injected FHDPE - Foam High Density Polyethylene	0.145 in

Coax Insulation

Insulation Material	Insulation Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.145 in

Coax Outer Shield

Element	Outer Shield Type	Outer Shield Material	Outer Shield Coverage
1	Braid	BC - Bare Copper	90 %

Coax Outer Jacket

Outer Jacket Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 in

Coax High Frequency (Nominal Typical)

Frequency	Nominal Insertion Loss (Attenuation)
1 MHz	0.3 dB/100ft
5 MHz	0.65 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	1.9 dB/100ft
100 MHz	2.6 dB/100ft
200 MHz	3.6 dB/100ft
400 MHz	5.0 dB/100ft
700 MHz	7.0 dB/100ft
900 MHz	8.0 dB/100ft
1000 MHz	8.5 dB/100ft

Multiconductor

Multiconductor Conductor and Insulation

No. of Pairs	AWG	Stranding	Material	Nominal Diameter	Insulation Material
1	18	7x26	BC - Bare Copper	0.046 in	PP - Polypropylene
					0.059 in

Multiconductor Color Chart

Description	Color
1	Black
2	Red

Shielding:	Braid(s)
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Overall Cable

Overall Shielding

Layer 1	Type	Trade Name	Material	Coverage
Jacket:			PVC	
Operating Temp Range:			-30°C To +75°C	
UL Temp Rating:			75°C	
Max Recommended Pulling Tension:			75 lbs	
Bulk Cable Weight:			50 lbs/1000ft	

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU CE Mark:	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
China RoHS 2:	Yes

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only
Suitability - Sunlight Resistance:	Yes - Black only
Below Grade Burial:	No

Flame Test

UL Flammability:	UL1685 UL Loading
C(UL) Flammability:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	649948

Product Notes

Notes:	18 AWG pair is unshielded
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Overall Armor Shield

Variants

Item #	Color	UPC	Length	Footnote
549945 0101000	Black	612825162735	1,000 ft	C
549945 010500	Black	612825162742	500 ft	C
549945 0091000	White	612825162711	1,000 ft	C
549945 009500	White	612825162728	500 ft	C

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