



**Product:** [439945](#)

PTZ, RG-6 #18, #18-2c ,LSZH, Siamese, Eca

## Product Description

PTZ (CCTV + Power/Audio) Cable), Coax RG-6, 18 AWG solid bare copper, foamed polyethylene core, 95% bare copper braid, LSZH jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Surveillance, CCTV Camera, PTZ (Pan-Tilt-Zoom)
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### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
Coax(es)	18	Solid	BC - Bare Copper	1.02 mm		1
Pair1	18	7x26	BC - Bare Copper	1.17 mm	1	

Conductor Count:	3
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#### Insulation

Element	Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness	Color
Coax(es)	Dielectric	PE - Polyethylene (Foam)	4.57 mm			
Twisted Pair(s)	Insulation	PE - Polyethylene	1.7 mm	0.05 mm	0.25 mm	Black & Red

#### Inner Shield

Element	Type	Material	Coverage [%]
Coax(es)	Braid	Bare Copper (BC)	95%

#### Outer Jacket

Element	Material	Nominal Diameter	Nominal Wall Thickness
Coax(es)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.8 mm	0.38 mm

### Construction and Dimensions

OuterJacket1, Form:	Shotgun
OuterJacket1, Nominal Width:	12.7 mm

### Electrical Characteristics

#### Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
Coax(es)	6.52 Ohm/1000ft	10.2 Ohm/km
Twisted Pair(s)	21 Ohm/km	

#### Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
Coax(es)		53.4 pF/m
Twisted Pair(s)	78.7 pF/m	

#### Impedance

Element	Nominal Characteristic Impedance
Coax(es)	75 Ohm

#### High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Coax(es)	1 MHz	0.56 dB/100m
	5 MHz	1.48 dB/100m
	10 MHz	2.1 dB/100m
	50 MHz	4.79 dB/100m
	100 MHz	6.89 dB/100m
	200 MHz	9.84 dB/100m
	400 MHz	14.1 dB/100m
	700 MHz	19 dB/100m
	900 MHz	22 dB/100m
	1000 MHz	23.3 dB/100m

#### Delay

Element	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
Coax(es)	400 ns/ft	83%

#### Voltage

Element	Voltage Rating [V]
Coax(es)	300 V RMS
Twisted Pair(s)	300 V RMS

#### Temperature Range

Storage Temperature Range:	-30°C To +70°C
Operating Temperature Range:	-30°C To +70°C

#### Mechanical Characteristics

Max. Pull Tension:	52 N
Min Bend Radius (W/o Pulling Strength):	34 mm
Min Setting Radius:	68 mm

#### Standards

CPR Euroclass:	Eca
RG Type:	6

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor - Euroclass Eca
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#### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
439945.00100	Gray	Reel	100 m	8719605006899
439945.00500	Gray	Reel	500 m	8719605006905

#### History

Update and Revision:	Revision Number: 0.255 Revision Date: 02-03-2025
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