

Security Coaxial Cable

Surveillance and CCTV Applications

Shielded or Flooded for Use in Underground Ducts



Coax

CM FT1 Rated

Product Description

Bare copper conductor, foam polyolefin insulation, bare copper braid shield. Black PVC jacket. Sequential footage marking every two feet.

Water-blocked Coax

CM FT1 Rated

Product Description

Bare copper conductor, foam polyolefin insulation, foil plus braid shield as shown per item, braid impregnated with CoreGuard® flame retardant flooding compound. Black UV resistant PVC jacket. Sequential footage marking every two feet.

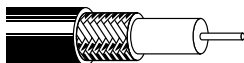
Specifications

Conductor	Bare Copper
Insulation	FPO
Shield	
Coax	Bare Copper Braid
Water-blocked Coax	Foil + Braid
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	800
Nominal Impedance	75Ω
Temperature Rating	75°C

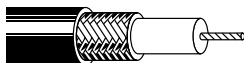
Applications

- CCTV

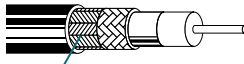
Solid Conductor



Stranded Conductor



Water-blocked



CoreGuard

Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Coax (NEC CM and CEC CM FT1)

Mini RG-59 Type											
573945* <small>(new)</small>	25	solid BC	94% BC	.085	2.16	.146	3.71	U-1000	U-305	16.0	7.3
								1000	305	17.0	7.7

RG-59 Type											
551945	22	7/w BC	95% BC	.140	3.56	.232	5.89	U-1000	U-305	33.0	15.0
								1000	305	32.0	14.5

543945*	20	solid BC	95% BC	.145	3.68	.232	5.89	U-500	U-152	16.0	7.3
								500	152	16.0	7.3
								U-1000	U-305	32.0	14.5
								1000	305	32.0	14.5

RG-6 Type											
533945	18	solid BC	95% BC	.180	4.57	.266	6.76	500	152	22.5	10.2
								U-1000	U-305	40.0	18.2
								1000	305	41.0	18.6

RG-11 Type											
513945	14	solid BC	95% BC	.280	7.11	.405	10.29	500	152	49.0	22.3
								1000	305	97.0	44.1

Water-blocked Coax (NEC CM and CEC CM FT1)

RG-59 Type											
5439W5 <small>(new)</small>	20	solid BC	Duobond® II + 95% tinned copper braid	.145	3.68	.236	5.99	U-500	U-152	13.0	5.9
								500	152	13.5	6.1
								U-1000	U-305	26.0	11.8
								1000	305	27.0	12.3

RG-6 Type											
5339W5 <small>(new)</small>	18	solid BC	Duofoil® + 60% aluminum braid	.180	4.57	.270	6.86	U-500	U-152	16.0	7.3
								500	152	16.0	7.3
								U-1000	U-305	32.0	14.5
								1000	305	32.0	14.5

BC = Bare Copper

*Other jacket colors available. Consult www.belden.com.



Security Coaxial Cable

CATV and MATV Applications
Commercial or Schlage Systems



Commercial and Schlage Coax

CM FT1 Rated

Product Description

Bare copper conductor, foam polyolefin insulation, foil plus braid shield(s) as indicated, Black PVC jacket. Sequential footage marking every two feet.

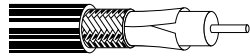
Specifications

Conductor	Bare Copper
Insulation	FPO
Shield	
Coax	Duofoil® + Aluminum Braid(s)
Schlage	Duobond® + Aluminum Braid(s)
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	820
Nominal Impedance	75Ω
Temperature Rating	75°C

Applications

- CATV
- MATV

Duofoil Shield



Duobond Shield (Schlage Systems)



Quad Shield



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Coax (NEC CM and CEC CM FT1)

Series 6 • RG-6 Type											
5339B5*	18	solid BC	Duofoil + 60% AL braid	.180	4.57	.266	6.76	U-500	U-152	18.0	8.2
								U-1000	U-305	36.0	16.4
								1000	305	36.0	16.4
5339Q5	18	solid BC	Quad**	.180	4.57	.298	7.57	U-1000	U-305	38.0	17.3
								100	305	38.0	17.3

Schlage Coax (NEC CM and CEC CM FT1)

Series 6 • RG-6 Type											
5399B5	18	solid BC	Duobond + 60% AL braid	.180	4.50	.270	6.86	U-500	U-152	15.0	6.8
								500	152	15.5	7.0
								U-1000	U-305	31.0	14.1
								1000	305	30.0	13.6

AL = Aluminum • BC = Bare Copper

* Other jacket colors available. Consult www.belden.com.

** Quad Shield = Duofoil tape + 60% aluminum braid + Duofoil tape + 40% aluminum braid.



Security Composite Cable

CCTV plus Audio or Pan and Tilt CCTV Control Applications
Plenum-Rated and Non-Plenum



Composite: Coax plus Twisted Pair

CM FT1 Rated

Product Description

Coax: Bare copper conductor, foam polyolefin insulation, bare copper braid shield. Black PVC jacket.

Pair: PVC insulation, PVC jacket.
Color coded: Black & Red.

Plenum-Rated Composite

CMP FT6 Rated

Product Description

Coax: Bare copper conductor, foam FEP insulation, bare copper braid shield, Natural Flamarrest® jacket.

Pair: Halar® insulation, Natural Flamarrest jacket.
Color coded: Black & Red.

Coax and pair in Siamese configuration.
Sequential footage marking every two feet.

Specifications

Conductor	Bare Copper
Insulation (Non-Plenum)	
Coax	FPO
Pair	PVC
Insulation (Plenum)	
Coax	Foam FEP
Pair	Halar
Shield (Coax)	Bare Copper Braid
Jacket	
Non-Plenum	PVC
Plenum	Flamarrest
Approvals (Non-Plenum)	
NEC	CM
CEC	CM FT1
NEC Articles	800
Approvals (Plenum)	
NEC	CMP
CEC	CMP FT6
Nominal Impedance (Coax)	75Ω
Temperature Rating	75°C

Applications

- CCTV plus Audio
- Pan and Tilt CCTV Control



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite: Coax plus Twisted Pair (NEC CM and CEC CM FT1)

RG-59 Type											
549945	20(cx)	solid BC	95% BC	.145	3.68	.232	5.89	500	152	30.0	13.6
	18(pr)	7/w BC	unshielded	.066	1.68	x	x	1000	305	60.0	27.3
						.460	11.68				

RG-6 Type											
539945	18(cx)	solid BC	95% BC	.180	4.57	.266	6.76	500	152	34.0	15.5
	18(pr)	7/w BC	unshielded	.066	1.68	x	x	1000	305	70.0	31.8
						.500	12.70				

Plenum-Rated Composite (NEC CMP and CEC CMP FT6)

RG-59 Type											
649948	20(cx)	solid BC	95% BC	.134	3.40	.199	5.05	1000	305	52.0	23.6
	18(pr)	7/w BC	unshielded	.059	1.50	x	x				
						.383	9.72				

RG-6 Type											
639948	18(cx)	solid BC	95% BC	.170	4.32	.232	5.89	1000	305	61.0	27.7
	18(pr)	7/w BC	unshielded	.059	1.50	x	x				
						.416	10.57				

BC = Bare Copper • cx = Coax • pr = Pair

Halar is a trademark of the Ausimont Corporation.



Security Coaxial Cable

CCTV Applications
Plenum-Rated



Plenum-Rated Coax

CMP FT6 Rated

Product Description

Bare copper or copper-covered steel conductor, foam FEP insulation, bare copper braid shield. Natural Flamarrest® jacket (except 613948 which is White fluorocopolymer). Sequential footage marking every two feet.

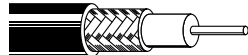
Specifications

Conductor	Solid BC or BCCS
Insulation	Foam FEP
Shield	Bare Copper Braid
Jacket	Flamarrest*
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance	75Ω
Temperature Rating	75°C

*613948 jacket is White fluorocopolymer.

Applications

- CCTV



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-Rated Coax (NEC CMP and CEC CMP FT6)

Mini RG-59 Type

673948	25	solid BC	95% BC	.078	1.98	.146	3.71	U-500	U-152	9.5	4.3
new								U-1000	U-305	18.0	8.2
								1000	305	18.0	8.2

RG-62 Type

6539Y8	22	solid BCCS	95% BC	.146	3.71	.204	5.18	U-1000	U-305	32.0	14.5
								1000	305	33.0	15.0

RG-59 Type

643948	20	solid BC	95% BC	.135	3.43	.193	4.90	U-500	U-152	16.0	7.3
								500	152	17.5	8.0
								U-1000	U-305	31.0	14.1
								1000	305	32.0	14.5

RG-6 Type

633948	18	solid BC	95% BC	.170	4.32	.228	5.79	U-500	U-152	21.0	9.5
								500	152	22.0	10.0
								U-1000	U-305	41.0	18.6
								1000	305	42.0	19.1

RG-11 Type

613948	14	solid BC	95% BC	.274	6.96	.348	8.84	500	152	46.0	20.9
								1000	305	90.0	40.9

BC = Bare Copper • BCCS = Bare Copper-covered Steel



Security Coaxial Cable

Commercial CATV or MATV Applications

Plenum-Rated



Plenum-Rated Coax

CMP FT6 Rated

Product Description

Solid bare copper (except 6339Q8 which has solid bare copper-covered steel) conductor. Foam FEP insulation. Foil plus aluminum braid shield(s) as indicated. Natural Flamarrest® jacket (except 6139B8 which is White fluorocopolymer). Sequential footage marking every two feet.

Specifications

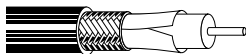
Conductor	Solid BC or BCCS
Insulation	Foam FEP
Shield	Duofoil® + Aluminum Braid(s)
Jacket	Flamarrest*
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	820
Nominal Impedance	75Ω
Temperature Rating	75°C

*6139B8 jacket is White fluorocopolymer.

Applications

- CATV
- MATV

Duofoil + Braid Shield



Quad Shield



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-Rated Coax (NEC CMP and CEC CMP FT6)

Series 59 • RG-59 Type

6439C8	20	solid BC	Duofoil + 80% AL braid	.135	3.43	.199	5.05	1000	305	21.0	9.5
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6439Q8	20	solid BC	Quad [†]	.135	3.43	.223	5.66	U-1000	U-305	34.0	15.5
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Series 6 • RG-6 Type

633938	18	solid BC	Duofoil + 80% AL braid	.170	4.32	.233	5.92	U-500	U-152	15.0	6.8
								500	152	16.5	7.5
								U-1000	U-305	30.0	13.6
								1000	305	31.0	14.1

6339Q8	18	solid BCCS	Quad [†]	.170	4.32	.248	6.30	500	152	23.5	10.7
								U-1000	U-305	42.0	19.1
								1000	305	43.0	19.5

Series 11 • RG-11 Type

6139B8	14	solid BC	Duofoil + 60% AL braid	.274	6.96	.348	8.84	1000	305	66.0	30.0
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AL = Aluminum • BC = Bare Copper • BCCS = Bare Copper-covered Steel

[†]Quad Shield: Duofoil tape + 60% copper braid + Duofoil tape + 40% copper braid.

