



Description:

15 AWG stranded (19x27) .064" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% coverage), fluorocopolymer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	15	19x27	BC - Bare Copper	.064

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.285

Inner Shield

Inner Shield Material:

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

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVDF - Fluorocopolymer	.350

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	87

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cabling

Overall Nominal Diameter: 0.406 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	125°C
Non-UL Temperature Rating:	125°C
Bulk Cable Weight:	120 lbs/1000 ft.
Max. Recommended Pulling Tension:	264 lbs.
Min. Bend Radius (Install)/Minor Axis:	4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: CMP

CEC/C(UL) Specification:	CMP
EU CE Mark:	No
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
RG Type:	11/U

Flame Test

UL Flame Test:	NFPA 262
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes - when supported by messenger wire
Suitability - Burial:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

1.108

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.5

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/ft)

1.27

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	0.1
3.6	0.2

10	0.5
71.5	1.3
135	1.9
270	3.0
360	3.6
540	4.5
720	5.4
750	5.6
1000	6.6

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	21

Sweep Test

Sweep Testing: 100% sweep tested 5 MHz to 850 MHz.

Misc. Information (Overall)

Other Description: BAG 08/13/04: Correct Cond. DCR

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1859A 0101000	1,000 FT	134.000 LB	BLACK	C	#15 FFEP BRD SLF BRD SLF
1859A 010500	500 FT	66.500 LB	BLACK	C	#15 FFEP BRD SLF BRD SLF

Notes:
C = CRATE REEL PUT-UP.

Video Triax Cable

RG-11/U Type

75 Ohms



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black) Polyethylene Insulation between Braids

High-Flex 75°C	1858A	—	500	152.4	80.5	36.8	15 AWG (19x27) .064" BC 3.1Ω/M' 10.2Ω/km	.312	7.92	(2) BC Braids 95% Coverage Inner: 1.8Ω/M' 5.9Ω/km Outer: 1.4Ω/M' 4.6Ω/km	.520	13.20	75	78%	17.3	56.8	1	.1	.5
			1000	304.8	157.0	71.8											3.6	.3	1.0
																	10	.5	1.6
																	71.5	1.2	3.9
																	135	1.8	5.9
																	270	2.6	8.5
																	360	3.1	10.2
																	540	3.9	12.8
																	720	4.7	15.4
																	1000	5.7	18.7

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

Plenum • Foam FEP Teflon® Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)

125°C	1859A	NEC: CMP CEC: CMP FT6	500	152.4	66.5	30.2	15 AWG (19x27) .064" BC 3.1Ω/M' 10.2Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.4Ω/M' 4.6Ω/km Outer: 1.4Ω/M' 4.6Ω/km	.406	10.30	75	80%	16.5	54.1	1	.1	.3
			1000	304.8	134.0	60.9											3.6	.2	.7
																	10	.5	1.6
																	71.5	1.3	4.3
																	135	1.9	6.2
																	270	3.0	9.8
																	360	3.6	11.8
																	540	4.5	14.8
																	720	5.4	17.7
																	1000	6.6	21.7

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (90% Coverage)

Gas-injected Foam HDPE Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)

UL AWM Style 1641 (30V 75°C) VW-1	9192	NEC: CL2X	1000	304.8	150.0	68.2	15 AWG (19x27) .064" BC 3.1Ω/M' 10.2Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M' 5.3Ω/km Outer: 1.6Ω/M' 5.3Ω/km	.520	13.20	75	78%	17.3	56.8	1	.1	.5
																	3.6	.3	1.0
																	10	.5	1.6
																	71.5	1.2	3.9
																	135	1.8	5.9
																	270	2.6	8.5
																	360	3.1	10.2
																	540	3.9	12.8
																	720	4.7	15.4
																	1000	5.7	18.7

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)

UL AWM Style 1641 (30V 75°C) VW-1	9232	—	500	152.4	76.5	19.3	15 AWG (19x27) .064" BC 3.1Ω/M' 10.2Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M' 5.3Ω/km Outer: 1.7Ω/M' 5.3Ω/km	.520	13.20	75	78%	17.3	56.8	1	.1	.5
			1000	304.8	145.0	65.9											3.6	.3	1.0
																	10	.5	1.6
																	71.5	1.2	3.9
																	135	1.8	5.9
																	270	2.6	8.5
																	360	3.1	10.2
																	540	3.9	12.8
																	720	4.7	15.4
																	1000	5.7	18.7

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

Teflon is a DuPont trademark.
Hypalon is a DuPont trademark.

