



Description:

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

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

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.312

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.)
PE - Polyethylene	.391

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Belflex®	PVC Blend - Polyvinyl Chloride Blend

Overall Cabling

Overall Nominal Diameter: 0.520 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -35°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 147 lbs/1000 ft.

Max. Recommended Pulling Tension: 264 lbs.

Min. Bend Radius (Install)/Minor Axis: 5.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
RG Type:	11/U

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.3

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/ft)

1.30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

Nom. Attenuation:

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

1	0.14
3.6	0.30
10	0.50
71.5	1.20
135	1.80
270	2.60
360	3.10
540	3.90
720	4.70
750	4.80

1000	5.70
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Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Nominal Capacitance 1st Shield to 2nd Shield: 205 pf/ft.

Other Electrical Characteristic 2: Nominal Voltage Breakdown: 20K 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: CHANGED INNER JACKET OD, OUTER SHIELD COVERAGE, INNER SHIELD DCR. BAG 08/13/04: Correct Cond. DCR

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1858A B591000	1,000 FT	157.000 LB	BLACK, MATTE	C	#15 GIFHDL DPE PVC TRIAX
1858A B59500	500 FT	80.500 LB	BLACK, MATTE	C	#15 GIFHDL DPE PVC TRIAX
1858A 0021000	1,000 FT	157.000 LB	RED	C	#15 GIFHDL DPE PVC TRIAX
1858A 002500	500 FT	80.500 LB	RED	C	#15 GIFHDL DPE PVC TRIAX
1858A 0041000	1,000 FT	157.000 LB	YELLOW	C	#15 GIFHDL DPE PVC TRIAX
1858A 004500	500 FT	80.500 LB	YELLOW	C	#15 GIFHDL DPE PVC TRIAX
1858A 0051000	1,000 FT	157.000 LB	GREEN, DARK	C	#15 GIFHDL DPE PVC TRIAX
1858A 0061000	1,000 FT	157.000 LB	BLUE, LIGHT	C	#15 GIFHDL DPE PVC TRIAX
1858A 006500	500 FT	80.500 LB	BLUE, LIGHT	C	#15 GIFHDL DPE PVC TRIAX

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.

