

COMPOSITE CABLE - RG 59/U + 18/2 OAJ

DESCRIPTION:

One RG 59/U BC - 95% BC braid cable and one stranded 18 AWG 2 conductor cable

PROPERTIES:

□ One RG 59/U cable:

- 20 AWG bare copper center conductor
- Gas-injected foamed polyethylene insulation
- 95% bare copper braid
- PVC jacket

□ One, 18 AWG, 2 Conductor cable:

- Stranded bare copper conductors
- Semirigid PVC insulation
- PVC jacket

□ Overall PVC jacket

SPECIFICATIONS:
NEC 800 **RoHS**



Product Code	Overall Diameter	Net Weight Lb/kft
820148	0.447 x 0.303"	95

18 AWG Cable Properties

Number of Conductors	Insulation Thickness	Jacket Thickness	Overall Diameter	Conductor Gauge AWG	Conductor Construction Wires/AWG	Conductor Resistance D.C. Maximum Ω/kft @ 20°C	Temperature Rating 60°C	Voltage Rating
2	0.008"	0.015"	0.148	18	19/31	6.55	60	300 V

RG 59/U Cable Properties

Conductor Diameter AWG	Insulation Diameter	Overall Diameter	Braid Coverage	Impedance Ω	Conductor Resistance @ 20°C Ω/kft	Propagation Speed %	Nominal Capacitance pF/ft
20	0.144"	0.242"	95%	75 ± 5	10.34	81	16

COMPOSITE CABLE - RG 59/U + 18/2

DESCRIPTION:

One RG 59/U BC - 95% BC braid cable and two stranded 18 AWG wires

DESCRIPTION:

□ One RG 59/U cable:

- 20 AWG bare copper center conductor
- Gas-injected foamed polyethylene insulation
- 95% bare copper braid
- PVC jacket

□ Two, 18 AWG wires:

- Stranded bare copper conductors
- Semirigid PVC insulation

□ Overall PVC jacket

SPECIFICATIONS:
NEC 800 **RoHS**



Product Code	Overall Diameter	Net Weight Lb/kft
820149X	0.226 x 0.364"	92

18 AWG Wire Properties

Insulation Thickness	Overall Diameter	Conductor Gauge AWG	Conductor Construction Wires/AWG	Conductor Resistance D.C. Maximum Ω/kft @ 20°C	Temperature Rating 60°C	Voltage Rating
0.008"	0.148	18	19/31	6.55	60°C	300 V

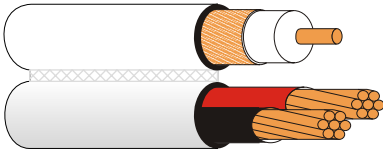
RG 59/U Cable Properties

Conductor Diameter AWG	Insulation Diameter	Overall Diameter	Braid Coverage	Impedance Ω	Conductor Resistance @ 20°C Ω/kft	Propagation Speed %	Nominal Capacitance pF/ft
20	0.144"	0.242"	95%	75 ± 5	10.34	81	16

COMPOSITE CABLE - RG 6/U + 18/2 OAJ

DESCRIPTION:

One RG 6/U BC - 95% BC braid cable and one stranded 18 AWG 2 conductor cable



PROPERTIES:

□ One RG 6/U cable:

- 18 AWG bare copper center conductor
- Gas-injected foamed polyethylene insulation
- 95% bare copper braid
- PVC jacket

□ One, 18 AWG, 2 Conductor cable:

- Stranded bare copper conductors
- Semirigid PVC insulation
- PVC jacket

□ Siamese construction

Product Code	Overall Diameter	Net Weight Lb/kft
820081SIM	0.272 x 0.510"	59

SPECIFICATIONS:

NEC 800
UL PVC 75°C



18 AWG Cable Properties

Number of Conductors	Insulation Thickness	Conductor Diameter	Conductor Gauge AWG	Conductor Construction Wires/AWG	Temperature Rating °C	Voltage Rating
2	0.066"	0.046"	18	7/26	75	300 V

RG 6/U Cable Properties

Conductor Diameter AWG	Conductor Diameter	Insulation Diameter	Overall Diameter	Braid Coverage	Impedance Ω	Nominal Capacitance pF/ft
18	0.040"	0.070"	0.180 ± .006"	95%	75 ± 3	16.3

*All values are nominal, and subject to manufacturing tolerances.

COMPOSITE CABLE - RG 6/U + CAT 5E

DESCRIPTION:

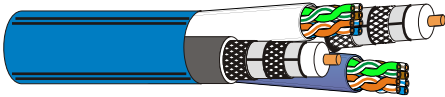
- Two RG 6/U Quad cables:
 - 18 AWG copper clad steel center conductor
 - Gas-injected foamed polyethylene insulation
- Two, 4-pair, Cat 5e cables
 - Solid copper conductors
 - Polyethylene insulation
- Overall PVC jacket

APPLICATION:

Residential Cabling with structured design for voice, data, video and any other high-speed application.

PROPERTIES:

Overall Diameter: 19 mm
 Cable Weight per 1,000 feet: 250 lbs
RoHS
 Standard lengths of 500 foot reels



Conductor Diameter	Conductor Resistance	Insulation Diameter	Braid Coverage	Impedance	Capacitance	Propagation Speed	Attenuation	
							MHz	dB/100 m
18 AWG	99.5 Ω/km	4.47 mm	60% - 40%	75 ± 3Ω	55.7 pF/m	81%	55	5.3
							211	10.0
							300	12.0
							550	16.1
							750	18.4
1000	21.5							

Conductor Diameter	Number of Pairs	Conductor Resistance	Impedance	Mutual Capacitance	Properties at 100 m		
					Frequency MHz	Attenuation dB/100 m	PSNext dB/100 m
24 AWG	4	90.5 Ω/km	100 ± 15	45.9 pF/m	4	4.1	53
					10	6.5	47
					16	8.2	44
					62.5	17.0	35
					100	22.0	32

*All values are nominal, and subject to manufacturing tolerances.

COMPOSITE CABLE - RG 6/U + CAT 5E + MM FIBER

DESCRIPTION:

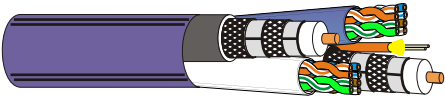
- Two RG 6/U Quad cables:
 - 18 AWG copper clad steel center conductor
 - Gas-injected foamed polyethylene insulation.
- Two, 4-pair, Cat 5e cables
 - Solid copper conductors
 - Polyethylene insulation
- Overall PVC jacket
- Two, 62.5 μm Multimode Fibers
 - Overall PVC jacket
 - Tight-buffered distribution construction

APPLICATION:

Residential Cabling with structured design for voice, data, video and any other high-speed application.

PROPERTIES:

Overall Diameter: 19 mm
 Cable Weight per 1,000 feet: 255 lbs
 Standard lengths of 500 foot reels
RoHS



Conductor Diameter	Conductor Resistance	Insulation Diameter	Braid Coverage	Impedance	Capacitance	Propagation Speed	Attenuation	
							MHz	dB/100 m
18 AWG	99.5 Ω/km	4.47 mm	60% - 40%	75 ± 3Ω	55.7 pF/m	81%	55	5.3
							211	10.0
							300	12.0
							550	16.1
							750	18.4
1000	21.5							

Conductor Diameter	Number of Pairs	Conductor Resistance	Impedance	Mutual Capacitance	Properties at 100 m		
					Frequency MHz	Attenuation dB/100 m	PSNext dB/100 m
24 AWG	4	90.5 Ω/km	100 ± 15	45.9 pF/m	4	4.1	53
					10	6.5	47
					16	8.2	44
					62.5	17.0	35
					100	22.0	32

Number of Fibers	Core Diameter	Cladding Diameter	Minimum Bend Radius	Attenuation
2	62.5 ± 3 μm	125 ± 2 μm	60 mm	3.2 dB/km @ 850 nm 0.9 dB/km @ 1300 nm

COMPOSITE CABLE - RG 6/U CABLE + CAT 5E SIAMESE



DESCRIPTION:

- One RG 6/U Quad cable:
 - 18 AWG bare copper center conductor
 - Gas-injected foamed polyethylene insulation
- One, 4-pair, Cat 5E cable
 - Solid copper conductors
 - Polyethylene insulation
- Siamese construction

APPLICATION:

Residential Cabling with structured design for voice, data, video and any other high-speed application.

PROPERTIES:

Overall Diameter: 0.525 x 0.3"
 Cable Weight per 1,000 feet: 55 lbs.

RoHS

Standard lengths of 500 foot reels

Product Code	Conductor Diameter	Conductor Resistance	Insulation Diameter	Braid Coverage	Impedance	Capacitance	Propagation Speed	Attenuation	
								MHz	dB/100 m
821005	18 AWG	99.5 Ω/km	4.57 mm	60% - 40%	75 ± 3Ω	53.0 pF/m	82%	55	5.25
								211	10.10
								300	12.14
								550	16.70
								750	19.69
1000	22.97								

Conductor Diameter	Number of Pairs	Conductor Resistance	Impedance	Pair-to-Pair Capacitance Unbalance	Properties at 100 m		
					Frequency MHz	Attenuation dB/100 m	PSNext dB/100ft
24 AWG	4	93.8 Ω/km	100 ± 15Ω	≤ 330 pF/100 m	4	4.1	53.3
					10	6.5	47.3
					16	8.2	44.3
					62.5	17.0	35.4
					100	22.0	32.3

*All values are nominal, and subject to manufacturing tolerances.

COMPOSITE CABLE - 2 X RG 6/U CABLE + CAT 5E TRIAMESE



DESCRIPTION:::

- Two RG 6/U Quad cables:
 - 18 AWG bare copper center conductor
 - Gas-injected foamed polyethylene insulation
- One, 4-pair, Cat 5E cable
 - Solid copper conductors
 - Polyethylene insulation
- Triamese construction

APPLICATION:

Residential Cabling with structured design for voice, data, video and any other high-speed application.

PROPERTIES:

Overall Diameter: 0.823 x 0.3"
 Cable Weight per 1,000 feet: 90 lbs

RoHS

Standard lengths of 500 foot reels

Product Code	Conductor Diameter	Conductor Resistance	Insulation Diameter	Braid Coverage	Impedance	Capacitance	Propagation Speed	Attenuation	
								MHz	dB/100 m
820146	18 AWG	99.5 Ω/km	4.57 mm	60% - 40%	75 ± 3Ω	53.1 pF/m	82%	55	5.25
								211	10.10
								300	12.14
								550	16.70
								750	19.69
1000	22.97								

Conductor Diameter	Number of Pairs	Conductor Resistance	Impedance	Pair-to-Pair Capacitance Unbalance	Properties at 100 m		
					Frequency MHz	Attenuation dB/100 m	PSNext dB/100ft
24 AWG	4	93.8 Ω/km	100 ± 15Ω	≤ 330 pF/100 m	4	4.1	53.3
					10	6.5	47.3
					16	8.2	44.3
					62.5	17.0	35.4
					100	22.0	32.3