

Delivering the **SPARK** that Moves the World®

Primary Wire INCLUDING OEM APPLICATIONS

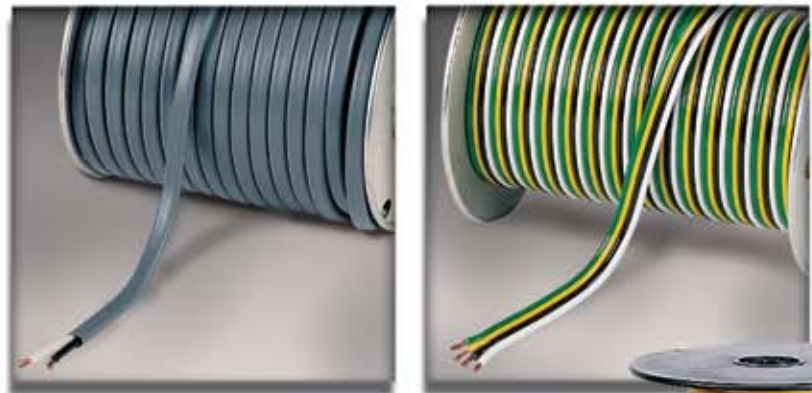
General Cable's Carol® Brand primary wire is ideal for general purpose wiring for automobiles, boats, trucks, buses, tractors, trailers and other motor-driven equipment.

Carol Brand single, duplex and bonded parallel/multi-conductor primary wire is available in a variety of gauge sizes and colors with premium-grade PVC insulation. It provides excellent flexibility and permanent color and is impervious to oil, grease and diesel fumes.

Recommended Gauges of Primary Wire for All Purposes

Gauge	Use
18	<ul style="list-style-type: none"> • Single Bulb Applications
16	<ul style="list-style-type: none"> • Tail Lights • Gas Gauge • Heater Lead • Directional Signal • Generator-to-Starter Relay • Starter to Relay Switch • Stop Signal
14	<ul style="list-style-type: none"> • Horn Button Circuit • Radio to Fuse Block • Head Lights Circuit • Gas Gauge to Coil • Cigar Lighter to Switch
12	<ul style="list-style-type: none"> • Light Switch to Fuse Block or Relay
10	<ul style="list-style-type: none"> • Generator, Ammeter & Panel Lights • Heater Switch

If circuit is longer than 10 feet, use next larger gauge size (lower number).
NOTE: For low voltage applications. Maximum voltage not to exceed 60 volts DC.



Carol® Brand primary wire is available in single, duplex and bonded parallel/multi-conductor constructions on OEM length reels in a variety of gauge sizes and colors.

Primary Wire INCLUDING OEM APPLICATIONS

Product Construction

Conductor:

- Single: 8 through 18 AWG fully annealed, stranded bare copper
- Duplex/Two: 10 through 16 AWG fully annealed, stranded bare copper
- Bonded Parallel/Multi: 14 through 16 AWG fully annealed, stranded bare copper

Insulation/Jacket:

- Single: Premium grade color-coded Polyvinyl Chloride (PVC)
Temperature range -20°C to +60°C
- Duplex/Two: Premium grade color-coded (black and white) Polyvinyl Chloride (PVC) insulation, heavy duty chrome gray PVC jacket
Temperature range -10°C to +105°C
- Bonded Parallel/Multi: Premium grade color-coded Polyvinyl Chloride (PVC)
Temperature range -20°C to +60°C

Applications

- General purpose wiring for automobiles, boats, trucks, buses, tractors, trailers and other motor-driven equipment
- Primary wire intended for use at 60 Volts DC or less in surface vehicle's electrical systems

Features

- Greater flexibility; permanent color; impervious to oil, grease and diesel fumes

Industry Standards

- Conforms to SAE J-1128 Type GPT
- RoHS Compliant

Packaging

- UPC Coded
- Available in OE length reels, clamshell blister pack (varied lengths per gauge) or 100' spools
- 12 clamshells or 4 spools per master carton
- Reel Dimensions – 2-12”L x 12”W

Stranding Chart	
Gauge	Number Strands SBC
18	16 x 30
16	19 x 29
14	19 x 27
12	19 x 25
10	19 x 23
8	65 x 26

Single Conductor																				
Product Specifications											Packaging Types									
AWG	# Cond	Color	Nominal Insulation Thickness			Nominal Major O.D.			Nominal Insulation Thickness			Nominal Major O.D.			Spools			Clamshell		
			Inches	MM	Inches	Cat #	Part #	OEM Reel Length	Inches	MM	Inches	Cat #	Part #	Length	Cat #	Part #	Length			
18	1	Black	0.022	0.56	0.092	13P18BK	80.0405.01090	9,000'	0.020	0.51	0.092	13P18BK	81.0405.01013	100'	6P18BK	81.0405.01046	33'			
18	1	White	0.022	0.56	0.092	13P18WF	80.0405.02090	9,000'	0.020	0.51	0.092	13P18WC	81.0405.02013	100'	6P18W	81.0405.02046	33'			
18	1	Red	0.022	0.56	0.092	13P18RF	80.0405.03090	9,000'	0.020	0.51	0.092	13P18RC	81.0405.03013	100'	6P18R	81.0405.03046	33'			
18	1	Yellow	0.022	0.56	0.092	13P18YF	80.0405.05090	9,000'	0.020	0.51	0.092	13P18YC	81.0405.05013	100'	6P18Y	81.0405.05046	33'			
18	1	Green	0.022	0.56	0.092	13P18GF	80.0405.06090	9,000'	0.020	0.51	0.092	13P18GC	81.0405.06013	100'	—	—	—			
18	1	Blue	0.022	0.56	0.092	13P18BF	80.0405.07090	9,000'	0.020	0.51	0.092	13P18BC	81.0405.07013	100'	6P18BL	81.0405.07046	33'			
18	1	Brown	0.022	0.56	0.092	13P18BRF	80.0405.08090	9,000'	0.020	0.51	0.092	13P18BRC	81.0405.08013	100'	—	—	—			
16	1	Black	0.022	0.56	0.102	13P16BK	80.0401.01090	6,000'	0.022	0.56	0.102	13P16BK	81.0401.01013	100'	6P16BK	81.0401.01046	24'			
16	1	White	0.022	0.56	0.102	13P16WF	80.0401.02090	6,000'	0.022	0.56	0.102	13P16WC	81.0401.02013	100'	6P16W	81.0401.02046	24'			
16	1	Red	0.022	0.56	0.102	13P16RF	80.0401.03090	6,000'	0.022	0.56	0.102	13P16RC	81.0401.03013	100'	6P16R	81.0401.03046	24'			
16	1	Yellow	0.022	0.56	0.102	13P16YF	80.0401.05090	6,000'	0.022	0.56	0.102	13P16YC	81.0401.05013	100'	6P16Y	81.0401.05046	24'			
16	1	Green	0.022	0.56	0.102	13P16GF	80.0401.06090	6,000'	0.022	0.56	0.102	13P16GC	81.0401.06013	100'	6P16G	81.0401.06046	24'			
16	1	Blue	0.022	0.56	0.102	13P16BF	80.0401.07090	6,000'	0.022	0.56	0.102	13P16BC	81.0401.07013	100'	6P16BL	81.0401.07046	24'			
16	1	Brown	0.022	0.56	0.102	13P16BRF	80.0401.08090	6,000'	0.022	0.56	0.102	13P16BRC	81.0401.08013	100'	—	—	—			
14	1	Black	0.022	0.56	0.115	13P14BK	80.0402.01090	5,000'	0.022	0.56	0.115	13P14BK	81.0402.01013	100'	6P14BK	81.0402.01046	17'			
14	1	White	0.022	0.56	0.115	13P14WF	80.0402.02090	5,000'	0.022	0.56	0.115	13P14WC	81.0402.02013	100'	6P14W	81.0402.02046	17'			
14	1	Red	0.022	0.56	0.115	13P14RF	80.0402.03090	5,000'	0.022	0.56	0.115	13P14RC	81.0402.03013	100'	6P14R	81.0402.03046	17'			
14	1	Yellow	0.022	0.56	0.115	13P14YF	80.0402.05090	5,000'	0.022	0.56	0.115	13P14YC	81.0402.05013	100'	6P14Y	81.0402.05046	17'			
14	1	Green	0.022	0.56	0.115	13P14GF	80.0402.06090	5,000'	0.022	0.56	0.115	13P14GC	81.0402.06013	100'	6P14G	81.0402.06046	17'			
14	1	Blue	0.022	0.56	0.115	13P14BF	80.0402.07090	5,000'	0.022	0.56	0.115	13P14BC	81.0402.07013	100'	6P14BL	81.0402.07046	17'			
14	1	Brown	0.022	0.56	0.115	13P14BRF	80.0402.08090	5,000'	0.022	0.56	0.115	13P14BRC	81.0402.08013	100'	—	—	—			
12	1	Black	0.026	0.66	0.140	13P12BK	80.0403.01090	3,000'	0.026	0.66	0.140	13P12BK	81.0403.01013	100'	6P12BK	81.0403.01046	11'			
12	1	White	0.026	0.66	0.140	13P12WF	80.0403.02090	3,000'	0.026	0.66	0.140	13P12WC	81.0403.02013	100'	6P12W	81.0403.02046	11'			
12	1	Red	0.026	0.66	0.140	13P12RF	80.0403.03090	3,000'	0.026	0.66	0.140	13P12RC	81.0403.03013	100'	6P12R	81.0403.03046	11'			
12	1	Yellow	0.026	0.66	0.140	13P12YF	80.0403.05090	3,000'	0.026	0.66	0.140	13P12YC	81.0403.05013	100'	6P12Y	81.0403.05046	11'			
12	1	Green	0.026	0.66	0.140	13P12GF	80.0403.06090	3,000'	0.026	0.66	0.140	13P12GC	81.0403.06013	100'	—	—	—			
12	1	Blue	0.026	0.66	0.140	13P12BF	80.0403.07090	3,000'	0.026	0.66	0.140	13P12BC	81.0403.07013	100'	6P12BL	81.0403.07046	11'			
12	1	Brown	0.026	0.66	0.140	13P12BRF	80.0403.08090	3,000'	0.026	0.66	0.140	13P12BRC	81.0403.08013	100'	—	—	—			
10	1	Black	0.030	0.76	0.173	13P10BK	80.0404.01090	2,000'	0.030	0.76	0.173	13P10BK	81.0404.01013	100'	6P10BK	81.0404.01046	7'			
10	1	White	0.030	0.76	0.173	13P10WF	80.0404.02090	2,000'	0.030	0.76	0.173	13P10WC	81.0404.02013	100'	6P10W	81.0404.02046	7'			
10	1	Red	0.030	0.76	0.173	13P10RF	80.0404.03090	2,000'	0.030	0.76	0.173	13P10RC	81.0404.03013	100'	6P10R	81.0404.03046	7'			
10	1	Yellow	0.030	0.76	0.173	13P10YF	80.0404.05090	2,000'	0.030	0.76	0.173	13P10YC	81.0404.05013	100'	—	—	—			
10	1	Green	0.030	0.76	0.173	13P10GF	80.0404.06090	2,000'	0.030	0.76	0.173	13P10GC	81.0404.06013	100'	—	—	—			
10	1	Blue	0.030	0.76	0.173	13P10BF	80.0404.07090	2,000'	0.030	0.76	0.173	13P10BC	81.0404.07013	100'	—	—	—			
10	1	Brown	0.030	0.76	0.173	13P10BRF	80.0404.08090	2,000'	0.030	0.76	0.173	13P10BRC	81.0404.08013	100'	—	—	—			
8	1	Black	0.037	0.94	0.222	13P08BK	80.0408.01090	1,500'	0.037	0.94	0.222	—	—	—	—	—	—			
8	1	White	0.037	0.94	0.222	13P08W	80.0408.02090	1,500'	0.037	0.94	0.222	—	—	—	—	—	—			
8	1	Red	0.037	0.94	0.222	13P18R	80.0408.03090	1,500'	0.037	0.94	0.222	—	—	—	—	—	—			

Duplex – Two Conductor																	
Product Specifications											Packaging Types						
AWG	# Cond	Color	Nominal Insulation Thickness			Nominal Major O.D.			OEM Applications			Spools			Clamshell		
			Inches	MM	Inches	Cat #	Part #	OEM Reel Length	Inches	MM	Inches	Cat #	Part #	Length	Cat #	Part #	Length
16	2	Gray	0.022	0.022	.168x.275	13P162	80.0452.00090	3,000'	—	—	—	13P162C	80.0452.00013	100'	—	—	—
14	2	Gray	0.022	0.022	.180x.295	13P142	80.0454.00090	2,500'	—	—	—	13P142C	80.0454.00013	100'	—	—	—
12	2	Gray	0.026	0.026	.200x.360	13P122	80.0456.00090	2,000'	—	—	—	13P122C	80.0456.00013	100'	—	—	—
10	2	Gray	0.030	0.030	.246x.432	13P102	80.0457.00090	1,000'	—	—	—	13P102C	80.0457.00013	100'	—	—	—

Bonded Parallel – Multi-Conductor																	
Product Specifications											Packaging Types						
AWG	# Cond	Color	Nominal Insulation Thickness			Nominal Major O.D.			OEM Applications			Spools			Clamshell		
			Inches	MM	Inches	Cat #	Part #	OEM Reel Length	Inches	MM	Inches	Cat #	Part #	Length	Cat #	Part #	Length
16	3	Br/Y/G	0.022	0.56	.122x.327	13P163F	80.0411.30190	4,500'	—	—	—	13P163C	80.0411.30113	100'	4P163	81.0411.30254	25'
16	4	W/Br/Y/G	0.022	0.56	.122x.419	13P164F	80.0411.40190	3,500'	—	—	—	13P164C	80.0411.40113	100'	4P164	81.0411.40254	25'
14	3	Br/Y/G	0.022	0.56	.125x.355	13P143F	80.0412.30190	4,500'	—	—	—	13P143C	80.0412.30113	100'	—	—	—
14	4	W/Br/Y/G	0.022	0.56	.125x.470	13P144F	80.0412.40190	3,500'	—	—	—	13P144C	80.0412.40113	100'	—	—	—



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