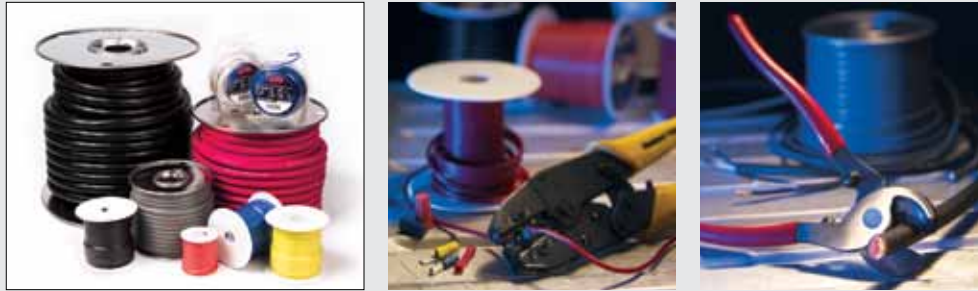


For all vehicle wiring maintenance and repairs, Grote offers a wide variety of spooled wire and cable products. These are available in all popular gauges and colors.



DETERMINING WIRE AND CABLE GAUGE SIZE BY CIRCUIT AMPS AND LENGTH

Total Circuit AMPS	Wire Gauge for Length in Feet (Total circuit length)												
	3'	5'	7'	10'	15'	20'	25'	30'	40'	50'	75'	100'	
12V													
1	18	18	18	18	18	18	18	18	18	18	18	18	18
3	18	18	18	18	18	18	18	18	18	18	18	14	14
5	18	18	18	18	18	18	18	18	18	16	14	12	12
7	18	18	18	18	18	18	18	16	16	14	14	10	10
10	18	18	18	18	18	16	16	16	14	12	12	10	10
15	18	18	18	18	14	14	12	12	12	10	8	8	8
20	16	16	16	16	14	12	10	10	10	10	8	6	6
24	14	14	14	14	12	12	10	10	10	8	6	6	6
30	12	12	12	12	10	10	10	10	10	6	4	4	4
40	10	10	10	10	10	10	8	8	6	6	4	2	2
50	8	8	8	8	8	8	8	8	6	6	2	2	2
100	4	4	4	4	4	4	4	4	4	2	1	1/0	1/0
150	2	2	2	2	2	2	2	2	2	1	2/0	2/0	2/0
200	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	4/0	4/0	4/0

HOW TO MATCH CABLE & EQUIPMENT

TYPE OF EQUIPMENT	TYPICAL WIRE GAUGE
Garden Tractor	8, 6, 4
Compact Car, RV	6, 4
Standard Car	4, 2
Full-size Car, Van	2, 1
Tractor, Light Truck, Construction	1/0
HD Tractor, Truck, Bus, Construction	2/0, 3/0
Extra Heavy Duty	4/0, 250 MCM

METRIC AND AWG WIRE SIZE

Metric values are expressed as a range and vary by country

mm ²	0.35	0.50	0.75	1	2	3	4-5	6-8	9-13	14-21	22-35	36-42	43-53	54-68	69-86	87-107
AWG	22	20	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0

AWG: American Wire Gauge

RoHS Compliance

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

Primary Wire Dispenser

- A rugged, well constructed wire dispenser made of high grade steel
- Easy top-loading display eliminates re-stocking hassles
- Only 23" wide x 18" high x 12" deep
- Perfect for storing wire or used as a retail display – all in one convenient unit
- Can accommodate up to 78 spools of wire 36 (25') and 42 (100') covering 20-12 gauges
- Wire not included

00871



00871

Wire & Cable Display

- Constructed of heavy-duty steel, painted powder blue
- Can accommodate a variety of primary wire, battery cable or welding cable assortments in one display
- Steel bars can be removed to accommodate larger spools
- Mounting brackets included for mounting, safety and functionality
- Can be mounted or used as a stand alone display
- No assembly required
- Made in North America
- 27" wide x 18 1/4" tall x 6 1/4" deep; 11 lbs
- Wire not included

00870



00870

GPT – General Purpose Thermo Plastic Wire

- Primary wire is single conductor based PVC jacketed wire
- PVC insulation resists heat up to 85°C (185°F) and provides protection from weather conditions and abrasives
- Maximum temperature rating -40°C (-40°F) to 85°C (185°F)
- Used for automotive, truck and marine applications
- Meets SAE code J1128 specifications
- Available in 25', 100' and 1000' spools
- Bulk sizes available
- Custom length wires available by special order only
- Now available in a retail clamshell (86-XXXX)
- Made in North America



* New Product



6 Gauge

Color	25'	100'	1000'
Red	89-3000	87-3000	-
Black	89-3002	87-3002	-

8 Gauge

Color	25'	100'	1000'
Red	89-4000	87-4000	-
Black	89-4002	87-4002	-
White	89-4007	87-4007	-

10 Gauge

Color	10' Clamshell	25'	100'	1000'
Red	86-5000*	89-5000	87-5000	88-5000
Brown	86-5001*	89-5001	87-5001	-
Black	86-5002*	89-5002	87-5002	88-5002
Green	86-5006*	89-5006	87-5006	-
White	86-5007*	89-5007	87-5007	88-5007
Blue	86-5010*	89-5010	87-5010	-
Yellow	86-5011*	89-5011	87-5011	-

12 Gauge

Color	12' Clamshell	25'	100'	1000'
Red	86-6000*	89-6000	87-6000	88-6000
Brown	86-6001*	89-6001	87-6001	88-6001
Black	86-6002*	89-6002	87-6002	88-6002
Green	86-6006*	89-6006	87-6006	88-6006
White	86-6007*	89-6007	87-6007	88-6007
Blue	86-6010*	89-6010	87-6010	88-6010
Yellow	86-6011*	89-6011	87-6011	88-6011

* New Product

14 Gauge

Color	20' Clamshell	25'	100'	1000'
Red	86-7000*	89-7000	87-7000	88-7000
Brown	86-7001*	89-7001	87-7001	88-7001
Black	86-7002*	89-7002	87-7002	88-7002
Green	86-7006*	89-7006	87-7006	88-7006
White	86-7007*	89-7007	87-7007	88-7007
Blue	86-7010*	89-7010	87-7010	88-7010
Yellow	86-7011*	89-7011	87-7011	88-7011
Orange	86-7012*	89-7012	87-7012	88-7012
Purple	-	-	87-7013	-
Pink	-	-	87-7014	-

16 Gauge

Color	25' Clamshell	25'	100'	1000'
Red	86-8000*	89-8000	87-8000	88-8000
Brown	86-8001*	89-8001	87-8001	88-8001
Black	86-8002*	89-8002	87-8002	88-8002
Green	86-8006*	89-8006	87-8006	88-8006
White	86-8007*	89-8007	87-8007	88-8007
Blue	86-8010*	89-8010	87-8010	88-8010
Yellow	86-8011*	89-8011	87-8011	88-8011
Orange	86-8012*	89-8012	87-8012	88-8012
Purple	-	-	87-8013	-
Pink	-	-	87-8014	-

18 Gauge

Color	35' Clamshell	25'	100'	1000'
Red	86-9000*	89-9000	87-9000	88-9000
Brown	86-9001*	89-9001	87-9001	88-9001*
Black	86-9002*	89-9002	87-9002	88-9002
Green	86-9006*	89-9006	87-9006	88-9006*
White	86-9007*	89-9007	87-9007	88-9007
Blue	86-9010*	89-9010	87-9010	88-9010*
Yellow	86-9011*	89-9011	87-9011	88-9011*

20 Gauge

Color	25'	100'	1000'
Red	-	87-2010	-
Black	-	87-2012*	-
White	-	87-2015	-
Blue	-	87-2017	-

* New Product



Gauge	Outside Diameter	Stranding
6	.300"	7 x 19 x .014"
8	.231"	6 x .024", 13 x .031"
10	.178"	19 x .024"
12	.145"	19 x .018"
14	.113"	19 x .014"
16	.105"	19 x .011"
18	.091"	16 x .010"
20	.087"	7 x .012"



83-6512
Wire Stripper
See page 130



87-2002



Gauge	Outside Diameter	Stranding
14	.151"	19 x .014"
16	.129"	19 x .011"

Type SXL Heavy Duty Primary Wire

- SXL wire is designed to withstand harsher environments than general purpose primary wire
- SXL has an annealed copper conductor that is insulated with cross linked polyethylene base
- XLPE insulation provides a thicker jacket that resists heat up to 125°C (257°F) and provides protection from weather conditions and abrasives
- Maximum temperature rating: -45°C (-49°F) to 125°C (257°F)
- Resistant to grease, oil, gasoline and acids
- Meets all SAE code J1128 specifications
- Additional sizes and gauges available upon request

14 Gauge			
Color	25'	100'	
Red	-	-	87-0000
Black	-	-	87-0002

16 Gauge			
Color	25'	100'	
Red	-	-	87-2000
Black	-	-	87-2002
White	-	-	NEW 87-2007



82-5514



Gauge	Overall Diameter	Stranding
14	.476"	19 x .014"
16	.464"	19 x .010"
18	.372"	16 x .010"

Parallel Bonded Wire

- GPT – General Purpose Thermo Plastic Wire
- Clear, PVC jacket insulation
- Ideal for RV, boat and utility trailers

4 Conductor			
Gauge	Color	Length	Part No.
14	White, Brown, Yellow, Green	25'	82-5515
14	White, Brown, Yellow, Green	100'	82-5514
16	White, Brown, Yellow, Green	25'	82-5524
16	White, Brown, Yellow, Green	100'	82-5525
18	White, Brown, Yellow, Green	25'	82-5527
18	White, Brown, Yellow, Green	100'	82-5526

Speaker Wire

- Positive identification with one strand tinned copper and the other bare copper
- Bonded parallel wires with clear PVC coated jacket
- Use for general audio applications in home, marine, RV, truck and automobiles

2 Conductor				
Gauge	Outside	Stranding	Length	Part No.
16	.225"	26 x .010"	100'	87-2016
18	.195"	16 x .010"	100'	87-2018
20	.143"	10 x .010"	100'	87-2020



87-2018



PVC Jacketed Brake Cable

- PVC jacketed wire resists grease, oil, gasoline and acids
- Used for automotive, truck and marine applications
- Maximum temperature rating -40°C (-40°F) to 85°C (185°F)
- Internal wires meet SAE J1128 specifications
- Custom lengths also available

2 Conductor					
Gauge	Strand	Overall Diameter	Color	Length	Part No.
10	19 x .023"	.246 x .432"	Yellow, Green	50'	82-5509
10	19 x .023"	.246 x .432"	Yellow, Green	100'	82-5508
10	19 x .023"	.246 x .432"	Yellow, Green	1000'	82-5507
10	19 x .023"	.246 x .432"	Blue, White	1000'	NEW 82-5590
12	19 x .017"	.206 x .348"	Black, White	50'	82-5512
12	19 x .017"	.206 x .348"	Black, White	100'	82-5511
12	19 x .017"	.206 x .348"	Black, White	1000'	82-5510
14	19 x .014"	.181 x .298"	Black, White	20'	82-5504
14	19 x .014"	.181 x .298"	Black, White	100'	82-5502
14	19 x .014"	.181 x .298"	Black, White	1000'	82-5503
16	19 x .011"	.168 x .272"	Black, White	100'	82-5500
16	19 x .011"	.168 x .272"	Black, White	1000'	82-5501

3 Conductor – Flat					
Gauge	Strand	Overall Diameter	Color	Length	Part No.
14	19 x .014"	.200 x .430"	Red, Green, Black	100'	82-5520
16	19 x .011"	.170 x .380"	Red, Green, Black	100'	82-5522

4 Conductor – Flat					
Gauge	Strand	Overall Diameter	Color	Length	Part No.
14	19 x .014"	.200 x .550"	Red, Green, Black, White	100'	82-5521
16	19 x .011"	.185 x .525"	Red, Green, Black, White	100'	82-5519

Portable Extension Cable – Type SJOOW

- Chlorinated Polyethylene (CPE) oil resistant neoprene jacket protects from outside conditions and abrasives
- Rated at 300 Volt
- -40°C (-40°F) to 90°C (194°F)
- UL # 46194 – meets UL and CSA requirements
- Industrial equipment, heavy tools and power extension applications
- All extension cord cable is spooled

2 Conductor					
Gauge	Strand	Overall Diameter	Color	Length	Part No.
14	44 x .010"	.340"	Black, White	50'	82-5902
14	44 x .010"	.340"	Black, White	100'	82-5901

3 Conductor					
Gauge	Strand	Overall Diameter	Color	Length	Part No.
14	44 x .010"	.365"	Black, White, Green	50'	82-5905
14	44 x .010"	.365"	Black, White, Green	100'	82-5904
16	26 x .010"	.330"	Black, White, Green	50'	82-5908
16	26 x .010"	.330"	Black, White, Green	100'	82-5907



82-5502



Split Flex Tubing
See page 79



82-5907



Molded Connectors
82-1025

See page 53

Battery Cable – Type SGR

- 100% Copper Cable; made in North America
- Chlorinated Polyethylene (CPE) Jacket rated at -40°C (-40°F) to 90°C (194°F)
- Meets all SAE code J1127 specifications
- All battery cable is spooled
- 1000'+ custom size spools also available
- Rated @ 60 Volt



6 Gauge			
Color	25'	50'	100'
Black	82-5722	82-5725	82-5726
Red	82-6722	82-6725	82-6726

4 Gauge			
Color	25'	50'	100'
Black	82-5714	82-5713	82-5712
Red	82-6717	82-6713	82-6712

2 Gauge			
Color	25'	50'	100'
Black	82-5711	82-5710	82-5709
Red	82-6718	82-6710	82-6709

1 Gauge			
Color	25'	50'	100'
Black	82-5708	82-5707	82-5706
Red	82-6719	82-6707	82-6706

1/0 Gauge			
Color	25'	50'	100'
Black	82-5705	82-5704	82-5703
Red	82-6720	82-6704	82-6703

2/0 Gauge			
Color	25'	50'	100'
Black	82-5702	82-5701	82-5700
Red	82-6721	82-6701	82-6700

3/0 Gauge			
Color	25'	50'	100'
Black	82-5723	82-5715	82-5733
Red	82-6723	82-6715	82-6733

4/0 Gauge			
Color	25'	50'	100'
Black	82-5743	82-5716	82-5753
Red	82-6743	82-6716	82-6753



82-5703



82-6703

Gauge	Outside Diameter	Stranding
6	.310"	7 x 19 x .0157"
4	.370"	7 x 27 x .0142"
2	.468"	19 x 16 x .0142"
1	.495"	19 x 21 x .0142"
1/0	.550"	19 x 26 x .0142"
2/0	.595"	19 x 21 x .0179"
3/0	.700"	19 x 35 x .0156"
4/0	.760"	19 x 54 x .0142"

Welding Cable



- Made from fine stranded copper with a water resistant thermoplastic rubber compound jacket
- Ideal product for routing cables where a tight fit/flexing is needed
- Voltage Rating: 600 Volt
- Remains flexible in colder climate
- Maximum temperature rating -50°C (-58°F) to 105°C (221°F)
- Resistant to flame, salt, chemicals, grease and abrasion

4 Gauge				
Color	Outside Diameter	Stranding	Length	Part No.
Black	.376"	378 x .010"	25'	82-5724
Red	.376"	378 x .010"	25'	82-6727

2 Gauge				
Color	Outside Diameter	Stranding	Length	Part No.
Black	.430"	636 x .010"	25'	82-5721
Red	.430"	636 x .010"	25'	82-6728

2/0 Gauge				
Color	Outside Diameter	Stranding	Length	Part No.
Black	.600"	1254 x .010"	25'	82-5730
Red	.600"	1254 x .010"	25'	82-6730

Booster Cable – Twin Conductor NEW

- Make up your own booster cables
- Can be used with SB type connectors for plug in convenience
- Ideal for tarps system (dump truck / dump trailer)
- Insulation stays flexible in cold weather; bonded cable resists tangling
- Temperature rated to -40°F (-40°C), rated @ 60V or less
- 100% fine-stranded copper meets SAE J1127 specifications

Gauge	Color	Length	Part No.
6 GA	Black/Orange	100'	82-5760
4 GA	Black/White	100'	82-5761
2 GA	Black/Red	100'	82-5762

Heavy Duty Cable Slitter/Stripper Tool 8 - 4/0 Gauge

- Slits & strips round battery & trailer cables
- Can strip 8 GA to 4/0 GA wire, battery and trailer cables
- Self-adjusting cutting depth
- Makes a clean strip without damaging wire strands
- Blade swivels for longitudinal/spiral cuts
- Ergonomic design

83-6515

9" Hand Held Cable Cutter

- Cuts cables up to 2/0 Gauge
- Ergonomic design with insulated grips

84-9088



82-5730



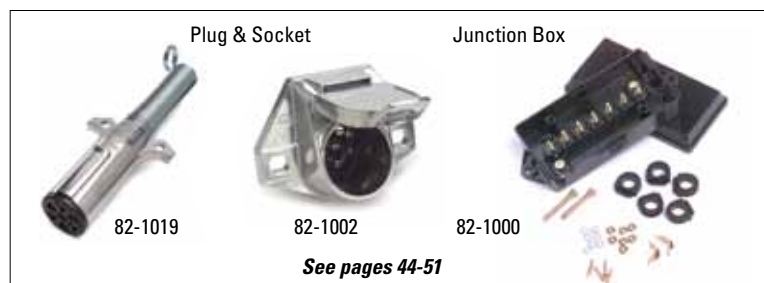
TRAILER CABLE • CÂBLE POUR REMORQUE • CABLES PARA REMOLQUE



82-5606

Trailer Cable

- PVC insulation resists temperature ratings of -40°C (-40°F) to 105°C (221°F)
- Black vinyl outer jacket provides protection from weather conditions and abrasive materials
- Used for wiring trucks and trailers
- Designed for 12V and 24V systems
- To view our complete line of Trailer Plugs and Sockets please refer to pages 44-51
- ABS cable meets SAE J2394 specifications
- Made in North America



4 Conductor

Gauge	Outside Dia.	Stranding	Color	Length	Part No.
14	.441"	19 x .0142"	Yellow, Green, Brown, White	100'	82-5602
				500'	82-5603
14	.441"	19 x .0142"	Yellow, Green, Brown, Red	100'	82-5600
				500'	82-5601

6 Conductor

Gauge	Outside Dia.	Stranding	Color	Length	Part No.
14	.591"	19 x .0142"	Yellow, Green, Brown, White, Red, Black	100'	82-5604
				500'	82-5605
16	.440"	29 x .011"	Yellow, Green, Brown, White, Red, Black	100'	82-5623
				500'	82-5620

7 Conductor

Gauge	Outside Dia.	Stranding	Color	Length	Part No.
14	.535"	19 x .0142"	Yellow, Green, Brown, White, Red, Black, Blue	50'	82-5610
				100'	82-5609
				250'	82-5619
				500'	82-5614
6/14, 1/12	.543"	41 x .010", 65 x .010"	Yellow, Green, Brown, White, Red, Black, Blue	50'	82-5612
				100'	82-5611
				500'	82-5615
6/12, 1/10	.685"	19 x .017", 19 x .023"	Yellow, Green, Brown, White, Red, Black, Blue	100'	82-5606
				500'	82-5607

ABS

Gauge	Outside Dia.	Stranding	Color	Length	Part No.
4/12, 2/10, 1/8	.685"	24 x .010", 19 x .023", 19 x .017"	Yellow, Green, Brown, White, Red, Black, Blue	50'	82-5622
				100'	82-5621
				250'	NEW 82-5624



82-5622