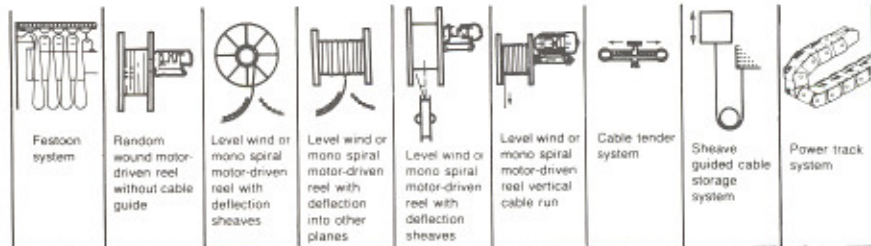


PROTOMONT

Single conductor portable reel and festoon cable, EP insulation, Neoprene jacket, 90°C, 600 volt



Application

- Container crane festoons
- Timber crane festoons
- Grab-type ship unloading gantry festoons
- Plow feeder festoons
- Refuse crane festoons
- Car dumper festoons
- Tripper festoons
- Ladle crane festoons
- Steel mill crane festoons
- All power tracks
- Wastewater treatment gantry festoons
- Stacker/reclaimer goosenecks and festoons
- Rotating connection of stacker/reclaimers
- Jetways
- AS/RS systems
- All tenders ie. plow feeders, container cranes, shiploaders and unloaders
- All D.C. two conductor tenders, festoons, power tracks

Features

- Finely stranded tin coated copper conductors with a short length of lay
- PROTOLON EP insulation
- Extra heavy duty yellow neoprene jacket
- Single conductor rope lay construction
- Single conductor

Benefits

- Highly flexible conductor
- Highly resistant to ozone
- Highly resistant to oil, flame, etc.
- Provides superior resistance to tension & torsion
- Superior performance vs. multi-conductor cable in forced guided systems

Temperature ratings

- Maximum conductor temperature: 90°C
- Minimum ambient temperature for optimum fully flexible operation: -20 °C
- Minimum permissible ambient temperature: -45°C

Ampacity and voltage drop

The tables on pages 19 to 22 may be used to determine the appropriate ampacity for PROTOMONT cables. Voltage drop may be calculated by using the information on page 23

Voltage ratings

- Rated voltage: 600 volts
- Maximum permissible operating voltages:
 - In D.C. systems: 1730 volts
 - A.C. factory test voltage: 3000 volts (r.m.s.)
- In A.C. systems: 1150 volts

Insulation colors

PROTOMONT uses black EP insulation

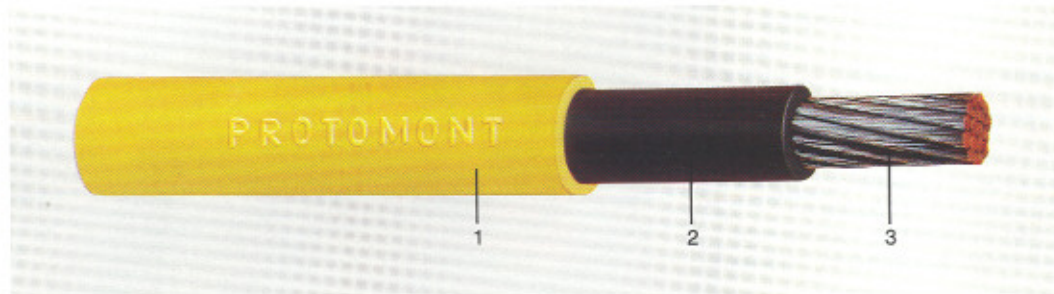
Approvals

- PROTOMONT is accepted by MSHA and is marked P-189-3-MSHA.
- VDE approved.

PROTOMONT

Single conductor power cable

- 1 Extra heavy duty neoprene outer jacket
- 2 PROTOLON EP insulation
- 3 Finely stranded tin coated copper conductor



PROTOMONT Single Conductor Cable

Anixter Part Number	Siemens Catalog Number	Number of Conductors	Conductor Size		Approximate Number of Strands Per Conductor	Nominal Overall Diameter		Cable Weight		Maximum Continuous Reeling Tension	
			Approx. AWG/MCM	mm ²		Inch	mm	Lbs/1000 ft	kg/km	Lbs	Newtons
5BP-0601	SDL1 112	1	#6	16	122	0.450	11.5	175	260	50	240
5BP-0401	SDL1 113	1	#4	25	190	0.550	14.0	260	390	80	375
5BP-0201	SDL1 114	1	#2	35	265	0.590	15.0	335	500	120	525
5BP-1011	SDL1 115	1	#1/0	50	379	0.670	17.0	450	670	170	750
5BP-2021	SDL1 116	1	#2/0	70	539	0.750	19.0	605	900	240	1050
5BP-3031	SDL1 117	1	#3/0	95	716	0.850	21.5	765	1140	320	1425
5BP-4041	SDL1 118	1	#4/0	120	915	0.945	24.0	960	1430	405	1800
5BP-3001	SDL1 120	1	296 MCM	150	1138	1.020	26.0	1170	1740	510	2250
5BP-3501	SDL1 121	1	365 MCM	185	1390	1.160	29.5	1445	2150	625	2774
5BP-5001	SDL1 122	1	474 MCM	240	1844	1.260	32.0	1855	2760	810	3600
5BP-6001	SDL1 123	1	592 MCM	300	2301	1.420	36.0	2340	3480	1010	4500