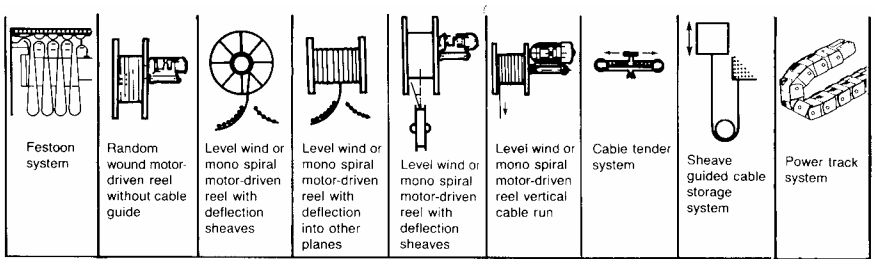
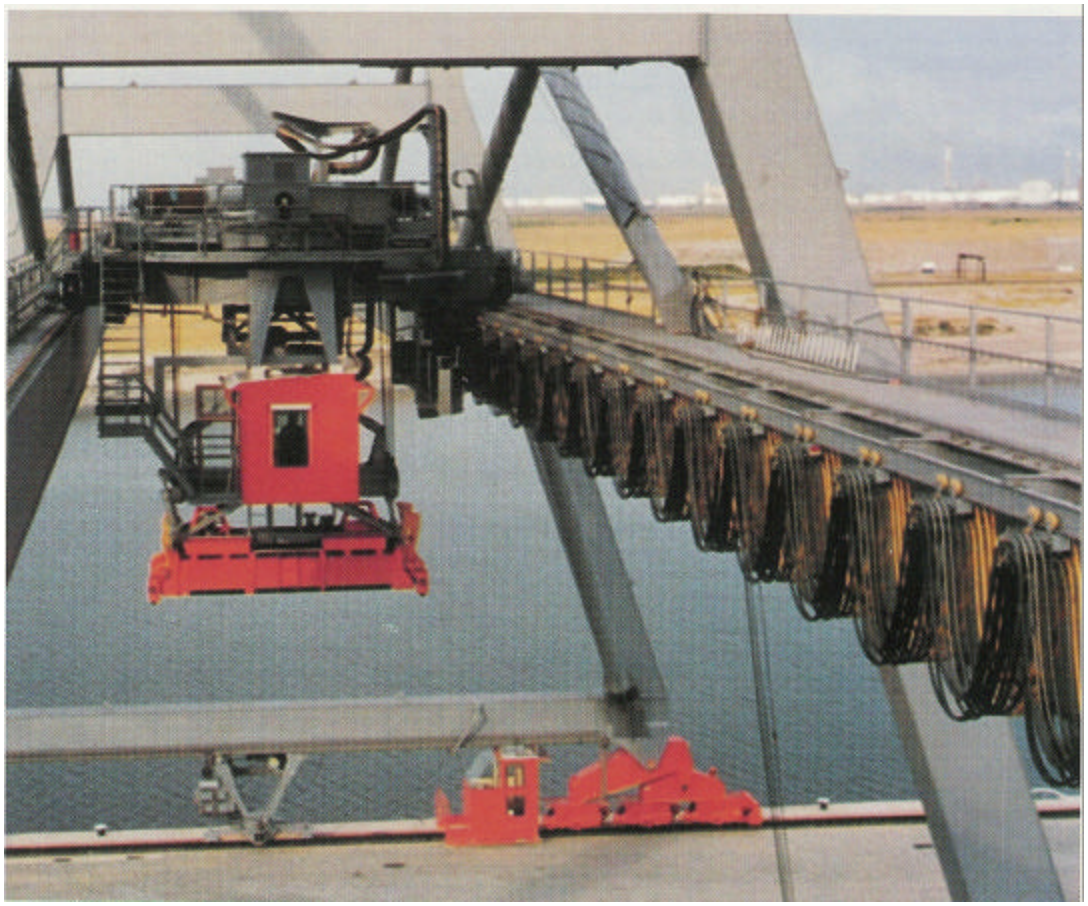
RONDOFLEX

Single conductor portable reel and festoon cable, EP insulation
Neoprene Jacket 90ºC, 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
- Wastewater treatment gantry festoons
- Stacker/reclaimer goosenecks and festoons
- Rotating connection of stacker/reclaimer
- Jet ways
- AS/RS systems
- All tenders i.e. plow feeders, container cranes, ship loaders and unloaders
- All DC two conductor tenders, festoons, power tracks
- All power tracks

Features

- Finely stranded tin coated copper conductors with a short length of lay
- Heavy duty black neoprene jacket
- Single conductor opposite lay construction
- Single conductor

Benefits

- Highly flexible conductors
- Highly Resistant to ozone, oil, water, flame, etc.
- Provides superior resistance to forces in flexible applications
- Superior performance vs. multi-conductor in forced guided applications

Temperature Ratings

- Maxium conductor temperature: 90ºC
- Minimum ambient temperaturefor fully flexible operation: -35ºC
- Minimum permissable ambient temperature: -50ºC

Ampacity and Voltage

The tables on pages 19 to 22 may be used to determine the appropriate Ampacity for RONDOFLEX cables. Voltage drop may be calculated by using the information on page 223.

Voltage Ratings

Rated voltage: 600 volts
- AC factory test voltage: 2500 volts for 5 minuites

Maximum permissible operating voltages:
- In AC systems: 1200 volts
- In DC systems: 1800 volts

Approvals

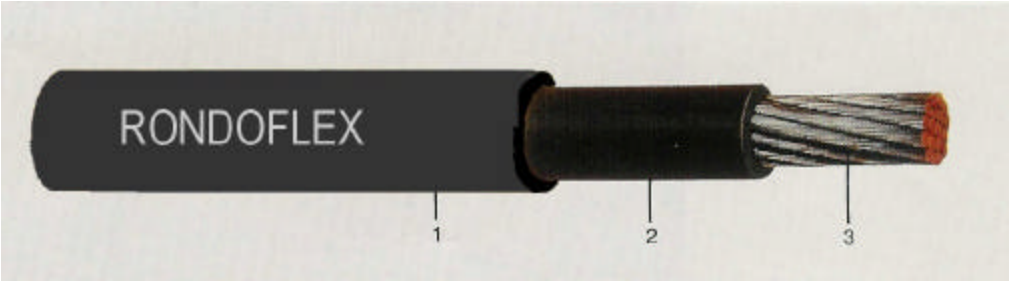
- VDE certificate with VDE registration number 9809

Rondoflex
Single conductor power cable

1 Extra heavy duty neoprene outer jacket

2 Protolon EP insulation

3 Finely Stranded tin coated copper conductor



RONDOFLEX Single Conductor Cable

Pirelli Part Number	Number of Conductors	Conductor Size		Approximate Strands per Conductor	Nominal Overall Diameter		Cable Weight		Maximum Permissible Tensile Force	
		Approx. AWG/MCM	mm²		Inch	mm	Pounds per 1000 ft	Kg/km	Lbs.	Newtons
5DG6 611	1	#2	35	265	0.505	12.8	640	430	118	525
5DG6 612	1	#1/0	50	379	0.612	15.5	930	625	169	750
5DG6 613	1	#2/0	70	539	0.669	17.0	1243	835	236	1050
5DG6 614	1	#3/0	95	716	0.764	19.4	1593	1070	320	1425
5DG6 615	1	#4/0	120	915	0.839	21.3	1994	1340	405	1800
5DG6 616	1	296 MCM	150	1138	0.921	23.4	2456	1650	506	2250
5DG6 617	1	365 MCM	185	1390	1.004	25.5	2991	2010	624	2775