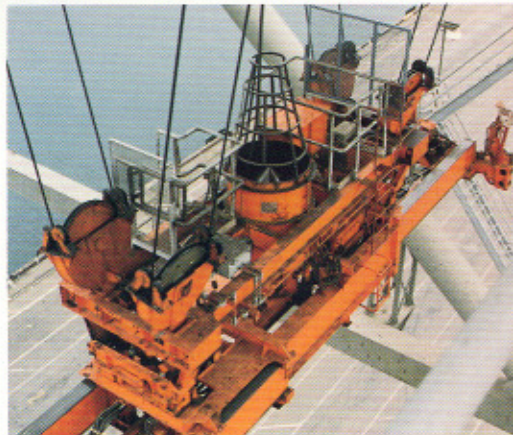
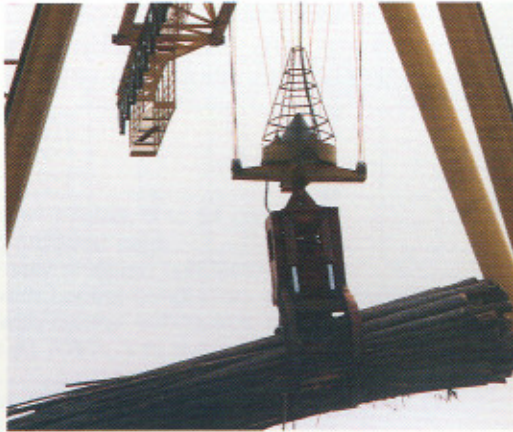
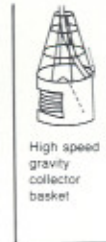


SPREADERFLEX

Spreader basket cable, PVC insulation, lead bead weighted, KEVLAR® messenger, polyurethane jacket, 75°C, 600 volt



Application

- Container crane spreader cable
- Log handling crane spreader cable
- Paper roll crane spreader cable
- Rack and pinion elevator coiling cable
- Rubber tired gantry crane spreader cable

Features

- Unit conductor bunching
- Extra finely stranded conductors with a long length of lay
- Multiple lead beaded cords
- Black, polyurethane jacket
- KEVLAR® reinforced elements
- PROTODUR™ PVC insulation
- Composite cable with shielded conductors available
- Very finely stranded tin coated copper braid on shielded conductors
- Large standard range with many sizes stocked
- Sequential numbering of conductors with indelible ink
- Composite cables with integrated optical fibers available (Please refer to catalog P9204)

Benefits

- Coils consistently
- Ensures a supple construction with no built-in torsion
- High unit weight of cable facilitates entry in cable basket
- Increased weight to diameter ratio inhibits sailing of cable in wind
- Highly resistant to lubricants, abrasion and cold temp.
- Superior tensile force capability
- Cold resistant PVC provides supple conductor construction
- Data transmission capability
- Very high shield coverage (90%)
- Readily available
- Termination/connectorization easy
- Power and control/data transmission through one single cable
- No interference of the control/data circuits

Temperature ratings

- Maximum permissible conductor temperature: 75°C
- Minimum ambient temperature for optimum fully flexible operation: - 20°C
- Minimum permissible ambient temperature: - 55°C

Ampacity and voltage drop

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

Voltage ratings

- Rated voltage: 600 volts
- A.C. factory test voltage: 2000 volts (r.m.s.)

Insulation colors

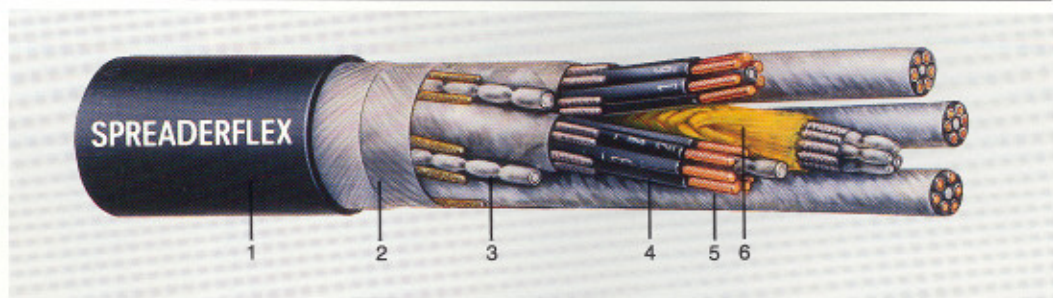
Method 4, according to ICEA S-61-402 and NEMA WC30, is used to identify conductors. All control conductors are black insulated and sequentially numbered.

Operating suspension height

The KEVLAR® braided reinforcement messenger is rated to provide a safety factor of 5 when the cable is suspended vertically for 165 feet (50 meters).

SPREADERFLEX

- 1 Polyurethane outer jacket
- 2 Overall polyester taped reinforcement
- 3 Cotton braid covered lead bead cords
- 4 Finely stranded copper conductors with black cold resistant PROTODUR PVC insulation
- 5 Conductor groups covered with polyester tapes
- 6 KEVLAR® braided reinforcement messenger



SPREADERFLEX Cable

Anixter Part Number	Siemens Catalog Number	Number of Control Conductors	Conductor Size		Approximate Number of Strands Per Conductor	Nominal Overall Diameter		Cable Weight	
			AWG/MCM	mm ²		Inch	mm	Lbs/1000 ft	kg/km
4ES-1220	5DE5 794	20	#12	3.31	73	1.260	32.0	1345	2000
4ES-1224	5DE5 795	24	#12	3.31	73	1.320	33.5	1725	2570
4ES-1230	5DE5 793	30	#12	3.31	73	1.460	37.0	1995	2970
4ES-1236	5DE5 796	36	#12	3.31	73	1.590	40.5	2655	3950
4ES-1242	5DE5 792	42	#12	3.31	73	1.770	45.0	3375	5020
4ES-1848	5DE5 797	48	#18	1.0	50	1.320	33.5	1510	2250