

## APPLICATIONS

CRANE SPREADER REELING CABLE is specifically designed and manufactured to withstand abusive environments, high hoist and trolley speeds and extreme mechanical stresses predominant on vertical reeling systems found in new generation ship to shore container cranes.

## FEATURES AND BENEFITS

### 1. CONDUCTORS

Flexible stranding, soft-drawn tinned copper; per ASTM B-33, ASTM B-172, and UL-62 for flexibility, extended flex life and reduced copper fatigue/conductor breakage.

### 2. INSULATION

Black and numbered torsion-resistant insulation for excellent physical and electrical properties.

### 3. CABLING

Conductors are cabled with non-wicking, non-hygroscopic fillers with an overall binder tape for increased mechanical strength/ impact resistance and exceptional performance in severe flexing applications.

### 4. JACKET

A double layer Kevlar® reinforced jacket provides core stability at temperatures ranging from 75° C to -40° C. Kevlar reinforcing improves the cable's overall strength while increasing torsion resistance.

## RATINGS

Rated for continuous operation at 75° C to -40° C in wet or dry locations

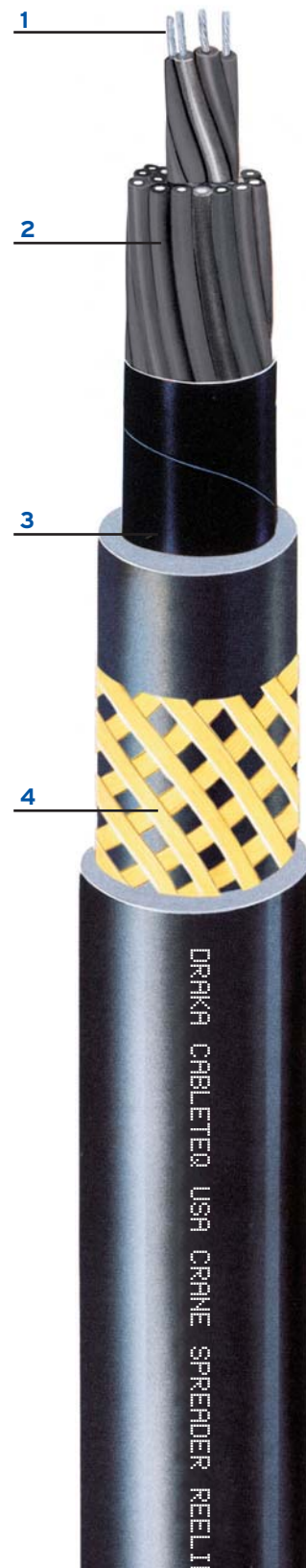
## CONSTRUCTION OPTIONS

Consult factory for cables designed and manufactured in a variety of alternative constructions for specific applications.

Options include:

- composite conductors
- fiber optics

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# CRANE SPREADER REELING CABLE

75° C to -40° C

600 volts

## SPREADER REELING CABLES

Part Number	Conductor Number	Conductor Size AWG (mm <sup>2</sup> )	Stranding	Insulation Thickness in (mm)	Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Ampacity <sup>1</sup>	Minimum Bend Radius in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)	Max. Safe Reeling Tension lbs (N)
030889	24	12 (3.5)	19	0.025 (0.64)	0.140 (3.56)	1.240 (31.5)	17	14.9 (378.0)	867 (1291)	1100 (4893)
030890	30	12 (3.5)	19	0.025 (0.64)	0.140 (3.56)	1.310 (33.3)	14	15.7 (399.3)	1092 (1626)	1100 (4893)
030829	36	12 (3.5)	19	0.025 (0.64)	0.160 (4.06)	1.455 (37.0)	14	17.5 (443.5)	1345 (2003)	1100 (4893)
030892	44	12 (3.5)	19	0.025 (0.64)	0.160 (4.06)	1.560 (39.6)	12	18.7 (475.5)	1550 (2308)	1400 (6228)
030893	56	12 (3.5)	19	0.025 (0.64)	0.160 (4.06)	1.660 (42.2)	12	19.9 (506.0)	1880 (2798)	1400 (6228)

## COMPOSITE CABLES

031022	12 + 38	12/14 (3.5/2.5)	19	0.025 (0.64)	0.160 (4.06)	1.570 (39.9)	12/9	18.8 (478.5)	1413 (2104)	1400 (6228)
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<sup>1</sup>Ratings apply to a single cable in free air 30° C ambient, 75 °C conductor temperature, installed on mono-spiral reels or single layer level wind reels.

Values include 50% load diversity.

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.