

APPLICATIONS

ALL TEMP BASKET SPREADER CABLE is specifically designed for use on the latest generations of high-speed container cranes with gravity-fed collector baskets. They combine the features of superior flexibility with additional ballast needed to operate at speeds of up to 160 meters/min (8.75 ft/sec).

Features such as extra-fine stranded conductors and non-wicking, non-hygroscopic fillers and synthetic rubber insulation produce a cable that is both durable and flexible. Group bundling around an aramid central strength member reduces the chance for knotting or corkscrewing.

A specially formulated 'heavy' synthetic rubber jacket adds the weight needed to perform despite poor basket design or high winds. The operating temperature range is -40° to +90°C.

This cable can be produced with shielded copper or fiber optic data communications components.

This cable is RoHS (Reduction Of Hazardous Substances) compliant which eliminates the need for special disposal methods.

NOTE: This cable is not designed for applications using sheaves or guide rollers.

FEATURES

1. CENTRAL STRENGTH MEMBER

Aramid fiber covered with synthetic rubber.

2. CONDUCTORS

Flexible 65/30 stranded tinned copper for flexibility.

3. INSULATION

Black synthetic rubber, .030 inches nominal thickness, with a printed numeric code.

4. CONDUCTOR GROUPS

Insulated conductors are grouped into subunits, cushioned with non-wicking, non-hygroscopic fillers and wrapped in a rubber-coated fabric binder tape.

5. SEPARATOR

Inner cabled group is wrapped in a polyester tape separator.

6. OVERALL WRAPPING

The cabled groups are wrapped in a rubber-coated fabric binder tape.

7. JACKET

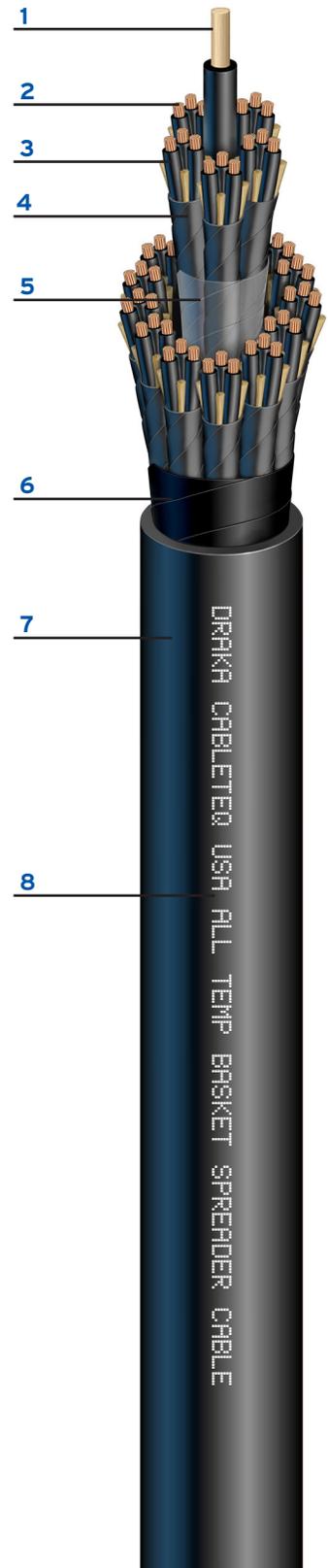
Special 'heavy' low temperature synthetic rubber.

8. SURFACE MARKINGS

The overall jacket is printed: DRAKA CABLETEQ USA ALL TEMP BASKET SPREADER CABLE "number & size of circuit conductor" and "sequential footage print."

RATINGS

This cable carries a tensile load with a 5x minimum safety factor.





ALL TEMP BASKET SPREADER CABLE

for high-speed container cranes / with 24 to 48 conductors
160 m/min travel speed / rubber jacket / 600 volt

Draka Cableteq Part Number	Conductor Number/Size	Conductor Stranding	Average Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
031787	24 / 12 AWG	65/30	.155 (3.9)	1.570 (39.9)	1600 (2381)
031788	30 / 12 AWG	65/30	.155 (3.9)	1.680 (42.7)	1960 (2916)
031191	36 / 12 AWG	65/30	.155 (3.9)	1.740 (44.2)	2290 (3408)
030962	42 / 12 AWG	65/30	.190 (4.8)	2.110 (53.6)	2740 (4077)
029747	48 / 12 AWG	65/30	.190 (4.8)	2.120 (53.8)	2900 (4315)

Consult factory if higher speeds are required.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

Proper initial handling and installation of Draka All-Temp Basket Spreader Cable is CRITICAL for achieving long term performance.

Check for any visual damage to the cable which may have occurred during shipment. Report any defects to Draka immediately.

Optimally, the entire length of cable should be removed from the transport reel and suspended vertically to release any built-up torsion that may be present from the manufacturing and packaging (coiling) process. While the cable is fully suspended, feed the bottom end of the cable first, into the basket. The cable must be installed in a Counter-Clockwise rotation into the basket. Failure to perform this task can permanently damage the cable. Care should also be taken not to induce torsion onto the cable while it is being fed into the basket. At all times while the cable is being handled and installed into the basket, the cable's minimum bend diameter (20 times the cable diameter) must be maintained. Failure to perform this task can permanently damage the cable.

One cable end should then be rotated 180 degrees counter-clockwise, before terminating both cable ends. Basketweave grips or another form of stress relief should be used at the cable ends.

Once all of the cable is in the basket and the proper terminations have been made, the hoist should be operated slowly through its full travel (up and down) several times. If back wrapping occurs, the cable should be released at the boom termination, and another 180 degree counter-clockwise rotation should be made before re-terminating.

Immediately after the cable is installed and terminated, a medium to heavy weight grease or lubricant should be applied to the jacket. Use of a light weight lubricant on the jacket is not desirable as a light weight lubricant will wear off the jacket quickly, making the cable operate dry. This condition can lead to improper coiling into the basket and potential cable failure.

If you have any questions or concerns regarding the installation or handling of the cable, please call Draka Cableteq USA at 800.333.4248 or 508.822.5444 or fax us at 508.822.1944 or e-mail us at us-sales@draka.com.