



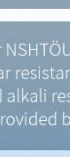
DRUM & REELING CABLE

Heavy handling installations and especially like stacker-reclaimer, festoons, reeling drum mono-spiral and multi-spiral, vertical spreader at high speed, for basket systems with gravity-fed

Hybrid Formations : POWER /Control /BUS Systems /optical fibres.

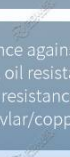


OUR ADVANTAGES



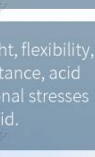
EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITIES. PERMITTING US TO COPE WITH YOUR REQUESTS ON A SHORT NOTICE AND EFFECTIVELY.



NO PRICE FIGHTS

WE ESCAPED THE CLASSICAL "REBATE UNTIL YOU DROP" POLICY. WE ARE PRICE WISE SINCE THE BEGINNING.



HIGH LEVEL EXPERIENCE

OUR TECHNICAL CAPABILITIES HAVE BEEN TESTED FOR MORE THAN 30 YEARS AND IN DIRECT CONNECTION WITH END USERS. SO TODAY



ENDLESS INVESTIGATION

WE CONTINUOUSLY MEASURE EVERYTHING. TEST AND TEST AGAIN. THIS HELPS UNDERSTAND RISKS AND REWARDS. AND BE PREPARED



NO FORTUNE TELLER

WE BASE OUR DECISIONS ON CLEAR BUSINESS PLANS, THINKING BEFORE MAKING OUR STEPS AND KEEPING A NOT TO DO LIST FOR EVERY ONE OF THEM



TEAM BUILDING

OUR TEAMS MADE NOT ONLY BY OUR STAFF BUT ALSO BY OUR CUSTOMERS. WE GROW LIKE A TEAM. WE GROW LIKE A TEAM. WE WIN LIKE A TEAM.

DRUM & REELING CABLE

Drum & Reeling Cable

Drum & Reeling Cable is designed for power and signalling mobile connections, under severe mechanical stresses (tensile strength and torsion), reference IEC 60502 / IEC 60227 standard, mainly for heavy duty conditions, abrasion and crushing. The cable is typically used in cable winding reels for harbour cranes, container cranes, conveyors, handling machines and mining and tunnelling equipment.

Our NSHTOU Cable offer resistance against oils and UV light, flexibility, wear resistance, cold resistance, oil resistance, aging resistance, acid and alkali resistance. Additional resistance to the operational stresses is provided by an anti-torsion kevlar/copper/polyester braid.

The standard NSHTOU cables, including the PUR-sheathed cable, are available with 4, 5, 7, 12, 18, 24, 30, 42 or 45 cores...etc optional. The choice of outer sheathing will depend on the individual application and installation environment. The general cable structure is a 3+3 core cable.



PRODUCT MIX



REELING DRUM

APPLICATIVE FEATURES



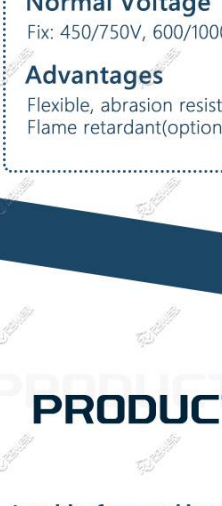
VERTICAL SPREADER HIGH SPEED

APPLICATIVE FEATURES



FESTOON

APPLICATIVE FEATURES



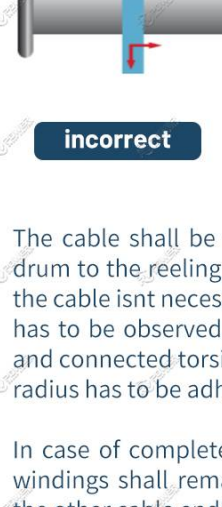
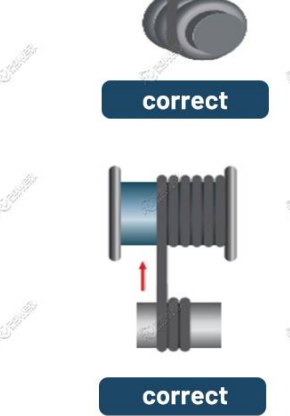
FESTOON WITH EMC PROTECTION

APPLICATIVE FEATURES



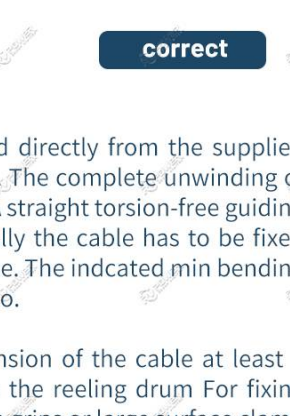
FESTOON WITH EMC PROTECTION

APPLICATIVE FEATURES



GRAVITY-FED COLLECTOR BASKET

APPLICATIVE FEATURES



CUSTOMIZED

Conductor

Extra fine bare copper conductor class 6/tinned copper VDE 0295

Insulation

PUR/Special Rubber compound/on request

Filler

Cotton threads or PVC rope inside with polyester fiber(optional)

Shield

Tinned copper braid or on request (optional)

Support Element

Lead ball cords

Inner Jacket

PUR/Special Rubber compound/on request

Reinforce

Kevlar braid (optional)

Outer Jacket

PUR/Special rubber compound based on NBR/others

Color

Black, Yellow, Grey, or on request

Other Structure Can Be Customized As Your Need Electric Parameter

Standard

VDE0295 CLASS 6 others

Structure

Customized

Min. bending radius

8-10 x outer diameter

Normal Voltage

Fix: 450/750V, 600/1000V Test Voltage: 3500V-5000V

Advantages

Flexible, abrasion resistance, tension resistance, Oil resistance, Flame retardant(optional), UV-Resistance, sag naturally

Application

Harbour cranes, container cranes, conveyors, handling machines and mining and tunnelling equipment.

Installation

The cable shall be wound directly from the supplied drum to the reeling drum. The complete unwinding of the cable isn't necessary. A straight torsion-free guiding has to be observed. Equally the cable has to be fixed and connected torsion-free. The indicated min bending radius has to be adhered to.

In case of complete extension of the cable at least 2 windings shall remain on the reeling drum. For fixing the other cable end Kellerm grips or large surface clamp connections can be used.

The installation of reeling cables has to be done carefully. They have to be protected against external damage during installation and operation. The start of winding of reeling cables on cylinder drums shall be made in standing direction. Cables with right stranding direction (z-lay) shall be operated to the right side and vice versa. If the stranding direction isn't known, please contact our technical support for any information.

Without special notice in our catalogue the tensile stress of the copper conductors shall not exceed 15 N/mm² (DIN incorrect correct VDE 0298 part 3). In case of higher ten-sile stress, we recommend to contact our technical support to align the cable construction to the requirements. The maximal limit deviations of the tensile stress are to be understood as the sum of the static and dynamic stress.

Reeling cables are generally not appropriate for torsion stress. During operation, however, torsion stress can't be avoided. As a consequence, the exceeding of the limit values (generally $\pm 25^\circ/\text{m}$) lead to a considerable reduction of service life.

In case of undercutting the smallest allowed incorrect correct min. bending radius, the service life of the cable is reduced incorrect correct.

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PRODUCT SCENE DISPLAY

> NSHTOU CABLE



> FLAT CABLE RANGE



DETAIL DISPLAY



ONE

OXYGEN FREE PURE COPPER

Extra Flexible Bare Copper Class 6 acc. to IEC 60228

TWO

INSULATION

PUR/Special Rubber compound/on request



THREE

REINFORCE

steel wire / Kevlar braid (optional) / on request. Play the role of bearing gravity and super tensile for the cable, and make the cable life longer.

FOUR

LOW ECCENTRICITY

The outer skin is thin and uniform, effectively preventing current breakdown and ensuring power safety.



FIVE

HIGH FLEXIBLE THREAD BODY

Special Thermoplastic Compound PUR/Special rubber compound based on NBR/others. Special Thermoplastic Compound PUR/Special rubber compound based on NBR/others.



OIL RESISTANT



FLAME RESISTANT



HALOGEN FREE



COLD RESISTANT



ABRASION RESISTANT



OZONE RESISTANT



UV RESISTANT



MICROBE RESISTANT



MUD RESISTANT



WATER RESISTANT