



# CABLES AND CABLE MANAGEMENT SOLUTIONS

Control Cable • Power Cable • Hook Up Wires • Marine Cable • VFD Motor Cable  
Fire Rated Cable • Instrumentation Cable • Industrial Plugs & Sockets • Isolator Switch  
Distribution Boards • Electrical Connectors & Accessories • Crimping Tools • Cable Tray



# XLPE POWER CABLES

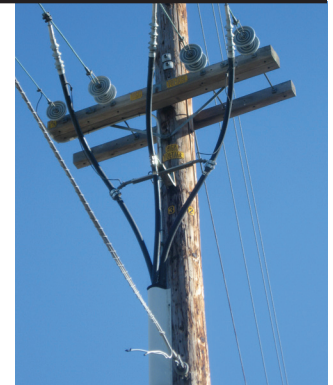


## MEDIUM VOLTAGE Cu/XLPE/CTS/PVC

Rated Voltage: 2kV to 36kV  
Standard: IEC 60502-2, ICEA S-93-639  
Max. Conductor Temperature: 90°C  
Short Circuit Condition: 250°C



- Compact circular annealed stranded copper conductor
- Wide range of voltage capacity
- Insulation is clean, low density and high molecular weight XLPE that gives long term reliability
- Shielded type (Cu tape)
- Insulation screen are firmly adheres to XLPE insulation yet strippable by hands for splicing and termination
- Triple Extrusion Process, super clean, free of oxides and other contaminants insulation layer of SCXLPE conductor screen, XLPE, and SCXLPE insulation screen
- Other materials on request

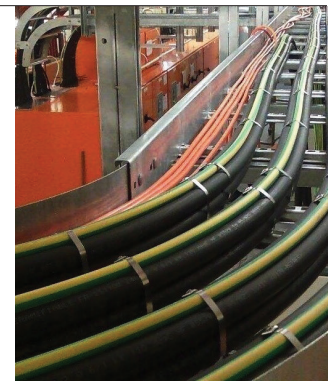


## LOW VOLTAGE Cu/XLPE/PVC

Rated Voltage: 0.6/1kV  
Standard: IEC 60228, IEC 60502-1, IEC 60332



- Conductor is made of high conductivity 99.9% Class 2 compacted circular annealed stranded copper
- Main insulation is Natural white with colored strips high grade cross-linked polyethylene conductor insulation
- Good UV characteristic Polyvinyl chloride black outer sheath
- High temperature rating both inside the conductor and on its outer sheath
- Tested with flame retardant capacity



## LOW VOLTAGE XLPE/SWA/PVC

Rated Voltage: 0.6/1kV  
Standard: IEC 60228, IEC 60502-1, IEC 60332



- Conductor is made of high conductivity 99.9% Class 2 compacted circular annealed stranded copper
- Main insulation is Natural white with colored strips high grade cross-linked polyethylene conductor insulation
- Good UV characteristic Polyvinyl chloride black outer sheath
- With Steel Wire Armouring for mechanical protection
- Best for direct burial application and damage cause by rodent infestation

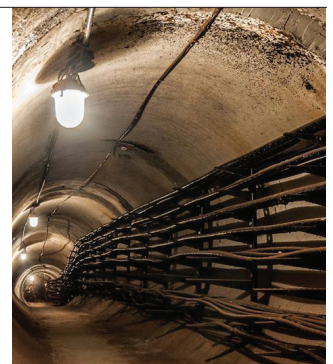


## FLEXIBLE POWER CABLE Cu/XLPE/PVC

Operating Voltage: 0.6/1kV AC, 0.9/1.8kV DC  
Min. Bending Radius: 6 x cable diameter



- Ideal for flexible multipurpose power and control application with medium mechanical stress
- Suitable for outdoor mobile and portable devices especially when elevated temperature and/or voltage is required
- Flame Retardant
- Oil and UV resistant
- Torsion Tested and AENOR certified
- Can be used in direct burial



# INDUSTRIAL CABLES

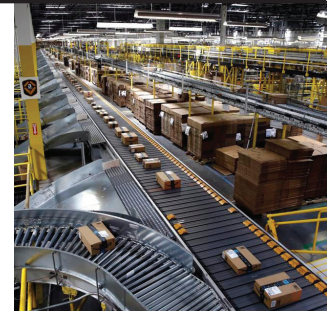


## CONTROL CABLE JZ-500

HELUKABEL VDE Reg.-Nr. 7032 JZ-500 25G1,5 QMM



- Guaranteed flexibility for easy and fast installation as control and limited use on power application
- Extensively oil resistant
- Flame Retardant and self extinguishing
- Above normal temperature classification
- Applicable for free or fixed installation in cold environment
- Continuous number coding for easy identification
- With same size GN-YE conductor
- Cores are stranded with optimal lay length



## SHIELDED CONTROL CABLE F-CY-JZ

HELUKABEL VDE Reg.-Nr. 71



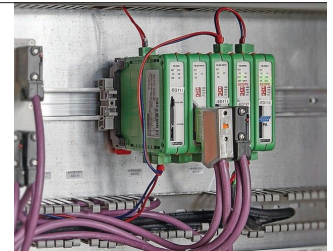
- Same benefits as with JZ-500 control cable but EMC preferred type (EMC= Electromagnetic Compatibility)
- with tinned copper braid screen ~85% coverage against EMI
- A foil separator instead inner PVC sheath as cable stabilizer
- Reduced overall weight, cable diameter and bending radius
- Ideal disturbance free control cable for impulse and signal transfer
- Can also be use in small power application



## BUS CABLE PROFIBUS L2



- Dual shield for maximum protection against EMI
- Operating temperature can be -40°C up to +70°C
- Flame retardant and excellent insulation resistance
- Design and produce under Profibus DIN 19245 T3 and EN50170
- UL style cable CMX 75°C (shielded) and CSA FT1 standard
- Automation/communication cable for serial field bus system



## LAN CABLE HELUKAT Cat5e, Cat6



- Unshielded Twisted Pair flexible Ethernet Cable
- Higher bandwidth capacity of 155 MHz and 300MHz
- Trouble-free applications for Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, Token Ring 4/16 Mbit/s, or ISDN
- HELUKAT LAN cables are design and manufacture in conformance to the latest DIN, CENELEC, EN standardization recommendations
- Has excellent transmission characteristic based on highfrequency laboratory testing complete with network analyzer and computer controlled equipment



## INSTRUMENTATION CABLE Cu/PVC/IS/OS/Fr-PVC



- Design and manufacture in conformance of BS EN 50288-7
- Available in single, multipair and armoured configuration
- Twisted pair to ensure induced voltage are equal
- Shielded type for an Interference free communication system
- Staggered lay length between each pair to minimize crosstalk
- With tinned copper drain wire to allow easy connection to earth
- Outersheath are flame retardant
- Cables are round with non-hygroscopic filler, best suited for hazardous location application



# SINGLE CORE CABLES



## PV CABLES SOLARFLEX-X PV1-F



- Tested and TUV certified in accordance with EN50618
- Flexible due to its finely strand tinned copper conductor
- Halogen –free and flame retardant
- Double insulated
- Complies with insulation Class II
- UV Resistant
- Ozone resistant
- Nominal voltage are 1kV AC / 1.5kV DC



## HOOK UP WIRE H05V-K and H07V-K



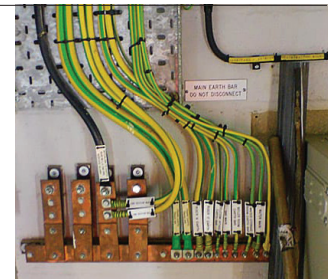
- Hook up wire for power/control panel and small lighting load
- Finely strand copper conductor in special PVC insulation
- Flame retardant and self extinguishing
- Flexible, ideal for tight spaces
- Wide temperature range
- Nominal voltage rating up to 1000 Volts AC or 750 Volts DC against earth
- Available in different popular color



## INSULATED GROUNDING CABLE H05V-K and H07V-K



- Flexible for easy mounting on tight spaces
- Flame retardant and self extinguishing
- Wide temperature range
- Can be used as grounding cable for LPS, equipment grounding and earthing continuity for ladders and trays
- Product conforms with Low-Voltage Directive 2014/35/EU
- Available in different sizes up to 95mm<sup>2</sup>



## HEAT RESISTANT WIRE SIF, SIF/GL, SIHF



- Silicon insulated temperature resistant wires and cables
- Tinned conductor for easy soldering
- Wide temperature rating from -60°C to +180°C
- Highly Flexible
- Halogen free and flame retardant
- Best suited for installations that conductor is subjected to extreme temperature changes
- Version with glass fiber braid and Multicore are also available



## FIRE RATED CABLES Cu/Mica/XLPE/LSZH



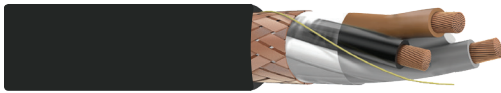
- Resistant to fire up to 950°C for 3 hours
- Low Smoke Halogen Free and Flame Retardant
- Tested in accordance to following international standards
- Fire Resistant: IEC 60331; BS6387 category C,W and Z
- Flame Retardant: IIEC 60332-1
- Acid Gas Emission(HCl): IEC 60754-1
- Fluorine Content: IEC 60684-2
- pH and Conductivity: IEC 60754-2
- Smoke Emission: IEC 61034-2



# CABLES FOR SPECIAL APPLICATION



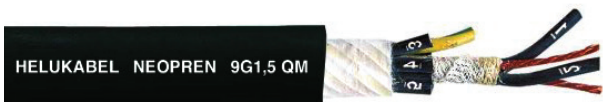
## MARINE CABLES



- Flexible and lightweight compare to traditional cables for a hassle free installation
- No corrosive acids, toxic fumes, and black smoke release upon burning
- Safe for passengers and other electronic equipment
- With high ambient temperature rating
- Flame retardant and self extinguishing insulation
- Approved type of cable by ship classification societies
- Use as control and power for both AC and DC source



## RUBBER SHEATHED CABLE



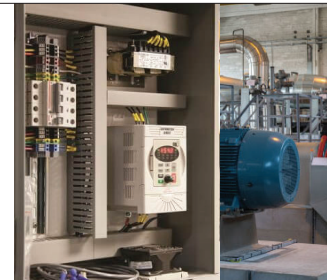
- Highly flexible cable with PUR, Neoprene or other special Polychloropenerubber insulation specifically for outdoor environment
- Installed with any electrical portable equipment either vertically hanged and/or either horizontal with continuous movement of rough and rugged application
- Class 5 or 6 finely strands copper conductor
- Typically resistant to abrasion, UV, Ozone and Weathering
- Oil and Chemical resistant



## VFD MOTOR CABLE



- Double shield preventing VFD system from radiating electrical noise that can interfere with surrounding networks
- XLPE insulated to better withstand voltage spikes
- Higher temperature resistance than ordinary motor cables
- Symmetrical cable structure with balance power conductor and 3Ground to optimize power transmission from frequency convert to the motor



## WATER RESISTANT CABLE



- Made from special insulation that has good mechanical stability when submerged
- With minimal weight gain under water
- Ensures stable power supply for underwater floodlights, submersible pumps, sensors, heating or drive motors
- Approved to be use in drinking, sea and chlorinated water as per DVGW Standard W 270



## HYGIENIC CABLE



- Special PUR cable with anti microbial properties for the food & beverage industry and other clean room application
- Resistant to UV radiation, oxygen, ozone,, hydrolysis, and microbes
- Has good cleaning properties, resistant to all standard detergents
- Tested and certified by federal agency FCN (Food Contact Notification)



# CABLE MANAGEMENT SOLUTIONS



## CABLE TRAY SYSTEM FOR OUTDOOR AND CORROSIVE ENVIRONMENT

### ACCESSORIES

- Cover
- Junction
- Divider
- Variable Connectors
- End Cover
- Coupler
- Flat Corner
- Semi T
- Support (Horizontal, Vertical, L)
- Bolts and Nuts



Perforated & continuous



Ladder Type

## CABLE GLAND, CLEATS, & TIES



A2

A2F

CW

E1FW

For Heavy Industries

Metric thread

PG thread

NPT thread

For Commercial and Industrial

Falcon (2BC Plastic)

Sovereign (HDSS)

Cable tie

## CONDUIT SYSTEM



RSC Pipe

Steel Flexible Conduit

Liquidtight Flexible Conduit

Solid channel

Hanger rod

Half-slot channel

Strut clamp

Conduit hanger

Clamping nut

Beam clamp

Locknut & Bushing

Liquidtight connectors

# CONNECTORS, LUGS & ACCESSORIES



## COMPRESSION CONNECTORS



BLY



BLU  
(1 & 2 Holes)



BBLU  
(1 & 2 Holes)



BCU



CCT

## MECHANICAL CONNECTORS



Types S and SEL



Type SW



Type VT



Types SLU & SAU

## UTILITY CONNECTORS

### OVERHEAD



Types CST and CDT



Types KO-R and KD-R



Types KBO, KBD, and  
KBN



Type WDC



Types KKBO, KKBD,  
and KKBN



Type PCAA

### UNDERGROUND



Type UFK and UFSK



Type CSK

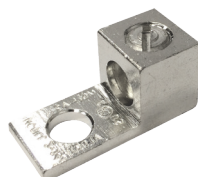


Type DBA



Type ULS

## MECHANICAL LUGS



One Conductor



Two Conductors



Three Conductors



Four Conductors

# OTHER SOLUTIONS



## TOOLS, CABLE CUTTERS & STRIPPERS



**Battery-powered Crimping Tools**  
16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 400mm<sup>2</sup>



**Hydraulic Crimping Tools**  
16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 400mm<sup>2</sup>



**Hydraulic Crimping Tool Dieless**



**Hydraulic Crimping Tool Hexagonal type**



**Handy Crimping Tool**  
0.5 - 6mm<sup>2</sup> for insulated cable links + butt connectors



**Hydraulic Punch Driver**  
Round K.O. Punches Type D



**Ratchet Cable Cutters**  
Cu 240mm<sup>2</sup>, Al 300mm<sup>2</sup>  
Cu 400 mm<sup>2</sup>, Al 500mm<sup>2</sup>  
Max 70MM (dia.) Cu/Al Armoured Cable



**Hydraulic Cable Cutter**  
45mm Cu/Alu cable Armoured Cu/Alu cable



**Manual Conduit Bender**  
For ½, ¾ 1" EMT & IMC Pipes



**Cable Strippers**  
For standard round cables, standard flexible and solid cables  
For Circular Cutting/Longitudinal Cutting/Stripping/Cutting  
In Various sizes

## INDUSTRIAL PLUGS & SOCKETS, ISOLATOR SWITCH & DISTRIBUTION BOARDS



**IEC 309 Range**  
16, 32, 63, 125A  
IP44, IP67, IP69



**Rotary Isolator Switches**  
IP 66/67 16 to 125A



**IB Range Interlocked Socket Outlet**  
For power distribution in the industrial and commercial sector, equipped with locking device



**68 Q-din Energy Distribution Systems**  
For commercial & industrial applications



### Reefer plugs & sockets

32 A, 440 V 50/60 Hz,  
3P+E, 3H



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