





# INDUSTRIAL RUBBER CABLES

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## EPR INSULATED, EPR SHEATHED FLEXIBLE H05RR-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 60°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 300/500V
- Min. Bending Radius: 6x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Wires

**Insulation:** EI4 Type Rubber (EPR) Compound

**Outer Sheath:** EM3 Type Elastomer Compound

### CODE of CABLE

- H05RR-F

### INTRODUCTION

These cables can be used in offices and kitchens where there is a risk of contact with hot surfaces for permanent and mobile equipment connections. It may be utilized indoors, outside on a temporary basis, and in both dry and wet conditions. It's flame resistant and self-extinguishes in the event of a fire. It's not recommended for long-term outdoor use in agricultural or industrial workplaces. Special productions can be made for long-term outdoor usage or in response to special requests. It is incompatible with mechanical stress systems.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 6mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 2 cores up to 5 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## EPR INSULATED AND PUR SHEATHED FLEXIBLE H05BQ-F, H07BQ-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 300/500V - 450/750V
- Min. Bending Radius: 5x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Wires

**Insulation:** EI6 Type Elastomer Compound

**Outer Sheath:** TMPU Type Elastomer Compound

### CODE of CABLE

- H05BQ-F, H07BQ-F

### INTRODUCTION

These cables are suitable for usage in homes, kitchens, and businesses. when cables are subjected to mild mechanical strains and are used in everyday applications like supplying equipment (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools and hand held inspection lamps). Use in the open air for brief periods of time.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 16mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 2 core up to 5 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.

**\* Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## EPR INSULATED AND TEXTILE BRAIDED FLEXIBLE H03RT-H CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 60°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 300/300V
- Min. Bending Radius: 6x Cable Outer Diameter
- Production Standard: EN 50525-2-22, HD 22.14  
DIN VDE 0282-14, BS 6500, IEC 60245-8

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 6 Stranded Plain  
Copper wires (tinned conductor on request)

**Insulation:** EI4 Type rubber (EPR) compound

**Bedding:** Textile cords

**Outer Sheath:** Textile cord braiding

### CODE of CABLE

- H03RT-H

### INTRODUCTION

These cables are used for fixed and mobile equipment connections in offices and houses. It can be used only dry and clean environments.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 1.5mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 2 core up to 3 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.



## EPR OR EQUIVALENT SYNTHETIC ELASTOMER INSULATED, CSP OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED FLEXIBLE H05BN4-F, H07BN4-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 300/500V - 450/750V
- Min. Bending Radius: 6x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.1  
DIN VDE 0282-12, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded  
Plain Copper Wires

**Separator:** A suitable tape may be applied over the conductor

**Insulation:** EI7 Type Rubber (EPR) Compound

**Inner Sheath:** EM6 or EM7 Type Rubber Compound

**Outer Sheath:** EM7 Type Elastomer Compound

### CODE of CABLE

- H05BN4-F, H07BN4-F

### INTRODUCTION

These cables are utilized to link permanent and mobile equipment in offices and kitchens. It may be employed in a variety of settings, including indoor, outdoor, dry, wet, and explosive atmospheres. It's flame-resistant and self-extinguishes in the event of a fire. It is unsuitable for long-term outdoor usage, as well as agricultural and industrial workplaces. When working in extreme temperatures, skin contact might be harmful. It is incompatible with mechanical stress systems. It should not be buried in the earth directly.

\* Special productions can be made for long-term outdoor usage upon the customer's requests.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 630mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 core up to 36 cores

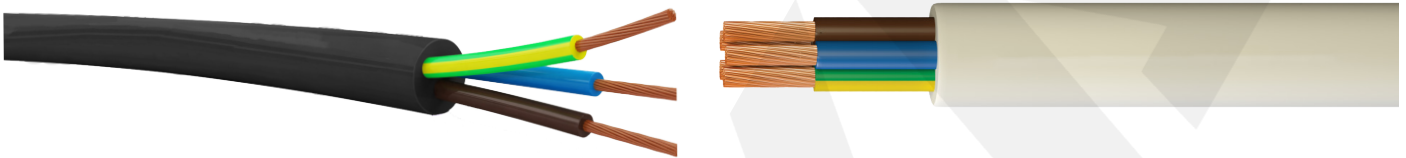
### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## EPR OR EQUIVALENT SYNTHETIC ELASTOMER INSULATED AND SHEATHED FLEXIBLE H05GG-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 300/500V
- Min. Bending Radius: 6x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.12, DIN VDE 0282-12, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic Annealed, Class 5 Stranded Plain Copper wires (Tinned Conductor on request)

**Separator:** A suitable tape may be applied over the conductor

**Insulation:** EI3 Type rubber (EVA) compound

**Outer Sheath:** EM4 Type elastomer compound

### CODE of CABLE

- H05GG-F

### INTRODUCTION

These cables are used for fixed and mobile equipment connections in agricultural and industrial workshops. It can also be used indoor, temporary outdoor, dry, wet and contain explosive atmospheres environments.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 6mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 2 core up to 5 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## PCP OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED FLEXIBLE H07RN-F, H05RN-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 60°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 300/500V - 450/750V
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: EN/IEC 60228, HD 383  
DIN VDE 0295, BS 6360

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded  
Plain Copper Wires

**Insulation:** EI4 Type Rubber (EPR) Compound

**Outer Sheath:** EM2 Type Elastomer Compound

### CODE of CABLE

- H07RN-F, H05RN-F

### INTRODUCTION

These cables can be used in offices and kitchens where there is a risk of contact with hot surfaces for permanent and mobile equipment connections. It may be utilized indoors, outside on a temporary basis, and in both dry and wet conditions. It's flame resistant and self-extinguishes in the event of a fire. It's not recommended for long-term outdoor use in agricultural or industrial workplaces. Special productions can be made for long-term outdoor usage or in response to special requests. It is incompatible with mechanical stress systems. It should not be buried in the earth.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 630mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 cores up to 36 cores

### COLOUR CODE of CABLE

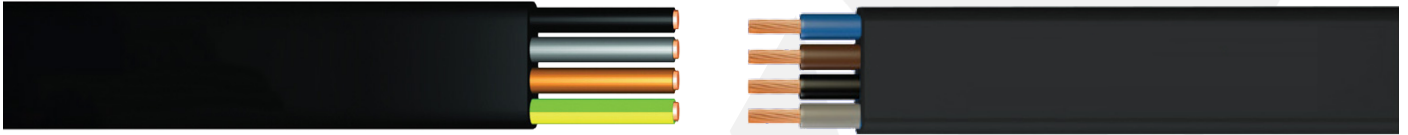
- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE of CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.



## PCP OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED FLEXIBLE FLAT H07RNH6-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 400/750V
- Min. Bending Radius: 8x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Wires

**Insulation:** EI4 Type Rubber (EPR) Compound

**Outer Sheath:** EM2 Type Elastomer Compound

### CODE of CABLE

- H07RNH6-F

### INTRODUCTION

Lifts, cranes, floor conveyor systems, elevators, and transfer lines all employ these wires. It may be utilized inside or outdoors, in dry, wet, or greasy conditions, and it contains explosive atmospheres. It's flame resistant and self-extinguishes in the event of a fire. For fixed and protected installations, it is permissible to use up to 1.000 V A.C. or D.C. It should not be buried in the earth directly.

### SECTION RANGE

- From 0.75mm<sup>2</sup> up to 240mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 3 cores up to 4 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## PCP OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED, SCREENED FLEXIBLE H05RC4N-F, H07RC4N-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 300/500V - 400/750V
- Min. Bending Radius: 12x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4  
DIN VDE 0282-4, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Wires

**Insulation:** EI4 Type Rubber (EPR) Compound

**Screen:** Tinned copper Wires Braided

**Outer Sheath:** EM2 Type Elastomer Compound

### CODE of CABLE

- H05RC4N-F, H07RC4N-F

### INTRODUCTION

Lifts, cranes, floor conveyor systems, elevators, and transfer lines all employ these wires. It may be utilized inside or outdoors, in dry, wet, or greasy conditions, and it contains explosive atmospheres. It's flame resistant and self-extinguishes in the event of a fire. For fixed and protected installations, it is permissible to use up to 1.000 V A.C. or D.C. It should not be buried in the earth directly.

### SECTION RANGE

- From 1mm<sup>2</sup> up to 630mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 core up to 36 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## WATER RESISTANT PCP OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED FLEXIBLE H07RN8-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 60°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 450/750V
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Wires

**Insulation:** EI7 Type Rubber (EPR) Compound

**Outer Sheath:** EM2 Type Elastomer Compound

### CODE of CABLE

- H07RN8-F

### INTRODUCTION

In offices and kitchens, these cables are utilized to link permanent and mobile equipment. It may be employed in a variety of settings, including indoor, outdoor, dry, wet, and explosive atmospheres. It's flame resistant and self-extinguishes in the event of a fire. It is unsuitable for long-term outdoor usage, as well as agricultural and industrial workplaces. Special productions can be made for long-term outdoor usage or in response to special requests. When working in extreme temperatures, skin contact might be harmful. It is incompatible with mechanical stress systems. It should not be buried in the earth directly.

### SECTION RANGE

- From 1mm<sup>2</sup> up to 630mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 2 cores up to 5 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE Of CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.



## SPECIAL INSULATED SINGLE CORE FLEXIBLE RUBBER (N)SGAÖU, (N)SGAFÖU (N)SGAFCMÖU CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 0,6/1kV - 3,6/6kV
- Min. Bending Radius: 12x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic Annealed, Class 2(NSGAOU) or Class 5(NSGAF...) Stranded Plain Copper Wires (Tinned Conductor on request)

**Screen:** Tinned copper wires braiding for CMÖU Type

**Insulation:** 3GI3 Type Elastomer Compound

**Outer Sheath:** 5GM3 Type Elastomer Compound

### CODE of CABLE

- (N)SGAÖU, (N)SGAFÖU, (N)SGAFCMÖU

### INTRODUCTION

Short circuit and grounding connections are particularly well suited. Rail vehicles, buses, switch cabinets, continuously working installations, pipelines and pipe work ducts, and dry interiors all employ them. Indoor and outdoor systems can also benefit from these wires. Environments that are dry, humid, moist, or greasy. It should not be buried straight underground since it is flame retardant and self-extinguishing during a fire.

### SECTION RANGE

- From 1mm<sup>2</sup> up to 300mm<sup>2</sup>

### CONDUCTOR QUANTITY

- These cables can be produced with single core

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.

**\* Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## SPECIAL INSULATED SINGLE CORE FLEXIBLE HALOGEN-FREE (N)SHXAÖ, (N)SHXAFÖ, (N)SHXAFCMÖ CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 0,6/1kV - 3,6/6kV
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic Annealed, Class 2(NSGAOU) or Class 5(NSGAF...) Stranded Plain Copper Wires

**Screen:** Tinned copper wires braiding for CMÖU Type

**Insulation:** Special Elastomer compound

**Outer Sheath:** HM3 Type Elastomer Compound

### CODE of CABLE

- (N)SHXAÖ, (N)SHXAFÖ, (N)SHXAFCMÖ

### INTRODUCTION

These cables are especially well-suited to short-circuit and grounding connections. Rail vehicles, buses, switch cabinets, continuously working installations, pipelines and pipe work ducts, and dry interiors all employ them.

### SECTION RANGE

- From 1mm<sup>2</sup> up to 300mm<sup>2</sup>

### CONDUCTOR QUANTITY

- These cables can be produced with single core

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE Of CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## CROSS-LINKED INSULATED LOW SMOKE EMISSION AND HALOGEN-FREE FLEXIBLE H07ZZ-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 450/750V
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: EN 50525-3-21, HD 22.13, DIN VDE 0282-13, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic Annealed, Class 5 Stranded Plain Copper Wires (Tinned Conductor on request)

**Separator:** A suitable tape may be applied over the conductor

**Insulation:** EI8 Type rubber compound

**Inner Sheath:** EM8 or EM10 Type rubber compound (If outer sheath thickness is greater than 2.4 mm)

**Outer Sheath:** EM8 Type rubber compound

### CODE of CABLE

- H07ZZ-F

### INTRODUCTION

These cables can be utilized in situations when there is a risk of fire, smoke, or poisonous vapors posing a harm to people or property. Mobile power units, UPS installations, stage lights, and audio visual equipment are all examples of applications. These cables can endure moderate mechanical forces and may be used both indoors and outdoors.

### SECTION RANGE

- From 1mm<sup>2</sup> up to 630mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 core up to 36 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.



## ARC WELDING H01N2-D, H01N2-E CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 85°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 100/100V
- Min. Bending Radius: 12x Cable Outer Diameter
- Production Standard: EN 50525-2-81, HD 22.6  
DIN VDE 0282-6, BS 638-4, IEC 60245-6

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Wires

**Insulation:** EM5 Type Elastomer Compound

**Outer Sheath:** Polychloroprene (EM5)

### CODE of CABLE

- H01N2-D, H01N2-E

### INTRODUCTION

Arc welding cables are used in hand-plier connections for 100 V welding machines. They also can be used in indoor, outdoor, dry, wet and oily environments.

### SECTION RANGE

- From 10mm<sup>2</sup> up to 240mm<sup>2</sup>

### CONDUCTOR QUANTITY

- These cables can be produced with single core

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## FLEXIBLE PV1-F, H1Z2Z2-K CABLES FOR PHOTOVOLTAIC SYSTEMS



### TECHNICAL DATA

- Max. Operating Temperature: 120°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 1.1/1.1kV AC - 1.5/1.5kV DC
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: DKE/VDE AK 411.2.3 TÜV 2 Pfg 1169/08.2007

### CONSTRUCTION

**Conductor:** Electrolytic Annealed, Class 5 Stranded Tinned Copper Wires

**Insulation:** Cross-linked polyolefin compound

**Outer Sheath:** Cross-linked polyolefin compound

### CODE of CABLE

- PV1-F, H1Z2Z2-K

### INTRODUCTION

Photovoltaic cable, also known as PV cable, is a single conductor wire used to connect the panels of a photovoltaic electric energy system. PV systems are solar-power generation systems that use an energy conversion method to convert sunlight into electricity. Electricity is generated at the panel, and cable is required to transport it to a collection point or piece of equipment. Photovoltaic wire is a specific kind of cable created for PV applications.

### SECTION RANGE

- From 1.5mm<sup>2</sup> up to 240mm<sup>2</sup>

### CONDUCTOR QUANTITY

- These cables can be produced with single core

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE of CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## HEAT RESISTANT HEPR POWER SCREENED FG7HH2OR, FG7(O)H2R CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 0.6/1kV
- Min. Bending Radius: 8x Cable Outer Diameter
- Production Standard: CEI 20-13, CEI 20-22 II  
IEC 60502-1, IEC 60332-1-2

### CONSTRUCTION

**Conductor:** Electrolytic, Stranded, Copper Wire Class 5  
(IEC 60228, DIN VDE 0295, BS 6360, HD 383)

**Screen:** Copper Braided Screen

**Insulation:** Rubber based HEPR G7 Compound

**Inner Sheath:** Separating foil or PVC Compound

**Outer Sheath:** Flame Retardant PVC Compound

### CODE of CABLE

- FG7HH2OR, FG7(O)H2R

### INTRODUCTION

These cables can be used indoors or outdoors as control and power cables in industrial facilities as well as residential areas. Suitable for direct burial.

### SECTION RANGE

- From 1.5mm<sup>2</sup> up to 400mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 core up to 5 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.



## HEAT RESISTANT HEPR POWER UNSCREENED FG7R, FG7OR CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 0.6/1kV
- Min. Bending Radius: 8x Cable Outer Diameter
- Production Standard: CEI 20-13, CEI 20-22 II  
IEC 60502-1, IEC 60332-1-2

### CONSTRUCTION

**Conductor:** Electrolytic, stranded, Copper Wire Class 5  
(IEC 60228, DIN VDE 0295, BS 6360, HD 383)

**Insulation:** Rubber based HEPR G7 Compound

**Inner Sheath:** Separating foil or PVC Compound

**Outer Sheath:** Flame Retardant PVC Compound

### CODE of CABLE

- FG7R, FG7OR

### INTRODUCTION

These cables can be used for outdoor and indoor power, control and signaling applications, even in wet environment, in industries, in public or residential buildings. Suitable for fixed installations in open air, in tube, canals, masonry, metal structures, overhead cable trays and for direct or indirect underground laying.

### SECTION RANGE

- From 1.5mm<sup>2</sup> up to 400mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 core up to 5 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## FLEXIBLE RUBBER (H)STN, (H)STCN CABLES WITH SUPPORTING ELEMENT



### TECHNICAL DATA

- Max. Operating Temperature: 60°C
- Max. Short Circuit Temperature: (max. 5 sec.) 200°C
- Rated Voltage: 450/750V
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic annealed, Class 5 Stranded Plain Copper Conductor

**Central Support Element:** Steel or textile carrier element

**Screen:** Tinned copper wires braiding (Min.85%)

**Insulation:** Special Elastomer Compound

**Separator:** Textile tape

**Outer Sheath:** Special Elastomer Compound

### CODE of CABLE

- (H)STN, (H)STCN

### INTRODUCTION

Flexible rubber cables with supporting elements are utilized to connect permanent and mobile equipment in agricultural and industrial workplaces. It's resistant to a variety of chemicals, as well as oil, acids, and ozone. It may be utilized in a variety of environments, including open-air, dry, and humid environments. It's flame retardant and self-extinguishes in the event of a fire. It's also protected against electromagnetic interference. When working in extreme temperatures, skin contact might be harmful. Lift cable with high tensile strength for heights up to 80 meters. It is incompatible with mechanical stress systems. It should not be buried underground directly.

### SECTION RANGE

- From 1mm<sup>2</sup> up to 16mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 3 core up to 48 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## LOW TEMPERATURE RESISTANT EPR OR EQUIVALENT SYNTHETIC ELASTOMER INSULATED AND SHEATHED FLEXIBLE H05BB-F, H07BB-F CABLES



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Max. Short Circuit Temperature: (max. 5 sec.) 250°C
- Rated Voltage: 300/500V - 450/750V
- Min. Bending Radius: 4x Cable Outer Diameter
- Production Standard: EN 50525-2-21, HD 22.4, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245-4

### CONSTRUCTION

**Conductor:** Electrolytic Annealed, Class 5 Stranded Plain Copper Wires (Tinned Conductor on request)

**Separator:** A suitable tape may be applied over the conductor

**Insulation:** EI6 Type elastomer compound

**Outer Sheath:** EM7 Type elastomer compound

### CODE of CABLE

- H05BB-F, H07BB-F

### INTRODUCTION

These cables can be used in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where cables are subject to low mechanical stresses (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools, hand held inspection lamps) use outdoors for temporary periods of short duration.

### SECTION RANGE

- From 0,75mm<sup>2</sup> up to 630mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 1 core up to 36 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.



## SJOOW



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Rated Voltage: 300V
- Min. Bending Radius: 6x Cable Outer Diameter
- Flexible Cords and Cables: UL62, CAN/CSA-C22.2 No.49-18
- Wire and Cable Test methods: UL2556 -15 , CSA C22.2
- Flame Test: FT1

### CONSTRUCTION

**Conductor:** Annealed stranded bare Copper per ASTM B-174 and UL62

**Insulation:** EPDM 90°C Compound Class3, Table8 UL62

**Assembly:** Insulated cores cabled together with integral fillers

**Outer Sheath:** Chlorinated Polyethylene (CPE) Compound Class 1.4, UL62, Table15

### CODE of CABLE

- SJOOW

### INTRODUCTION

Power cable for industrial and other demanding applications, such as motors, portable tools, accompanying equipment, and temporary electrical power, where flexibility and durability are required both indoors and outdoors.

### CORD SIZE

- 10 AWG SJOOW cord to 18 AWG SJOOW cord

### CONDUCTOR QUANTITY

- From 2 core up to 4 cores

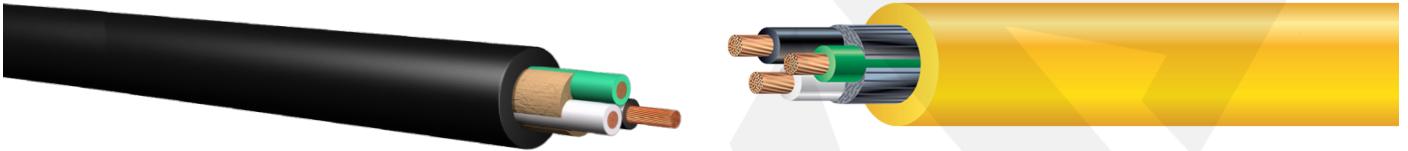
### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.

## SOOW



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Rated Voltage: 600V
- Min. Bending Radius: 6x Cable Outer Diameter
- Flexible Cords and Cables: UL62, CAN/CSA-C22.2 No.49-18
- Wire and Cable Test methods: UL2556 -15 , CSA C22.2
- Flame Test: FT1

### CONSTRUCTION

**Conductor:** Annealed stranded bare Copper per ASTM B-174 and UL62

**Insulation:** EPDM 90°C Compound Class3, Table8 UL62

**Assembly:** Insulated cores cabled together with integral fillers

**Outer Sheath:** Chlorinated Polyethylene (CPE) Compound Class 1.4, UL62, Table15

### CODE of CABLE

- SOOW

### INTRODUCTION

Power cable designed for use in industrial and other demanding applications, including heavy equipment, construction machinery, motors and welding leads, portable lighting, battery chargers, shallow water immersion, and mining environments.

### CORD SIZE

- 4 AWG SOOW cord to 18 AWG SOOW cord

### CONDUCTOR QUANTITY

- From 2 core up to 4 cores

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* Other colours can be produced upon the customer requests.

### FIRE PERFORMANCE OF CABLE SHEATHS

- Cables can be supplied with special flame retardant PVC outer sheath to comply with the flame test requirements of IEC 60332 Category A-B and C.