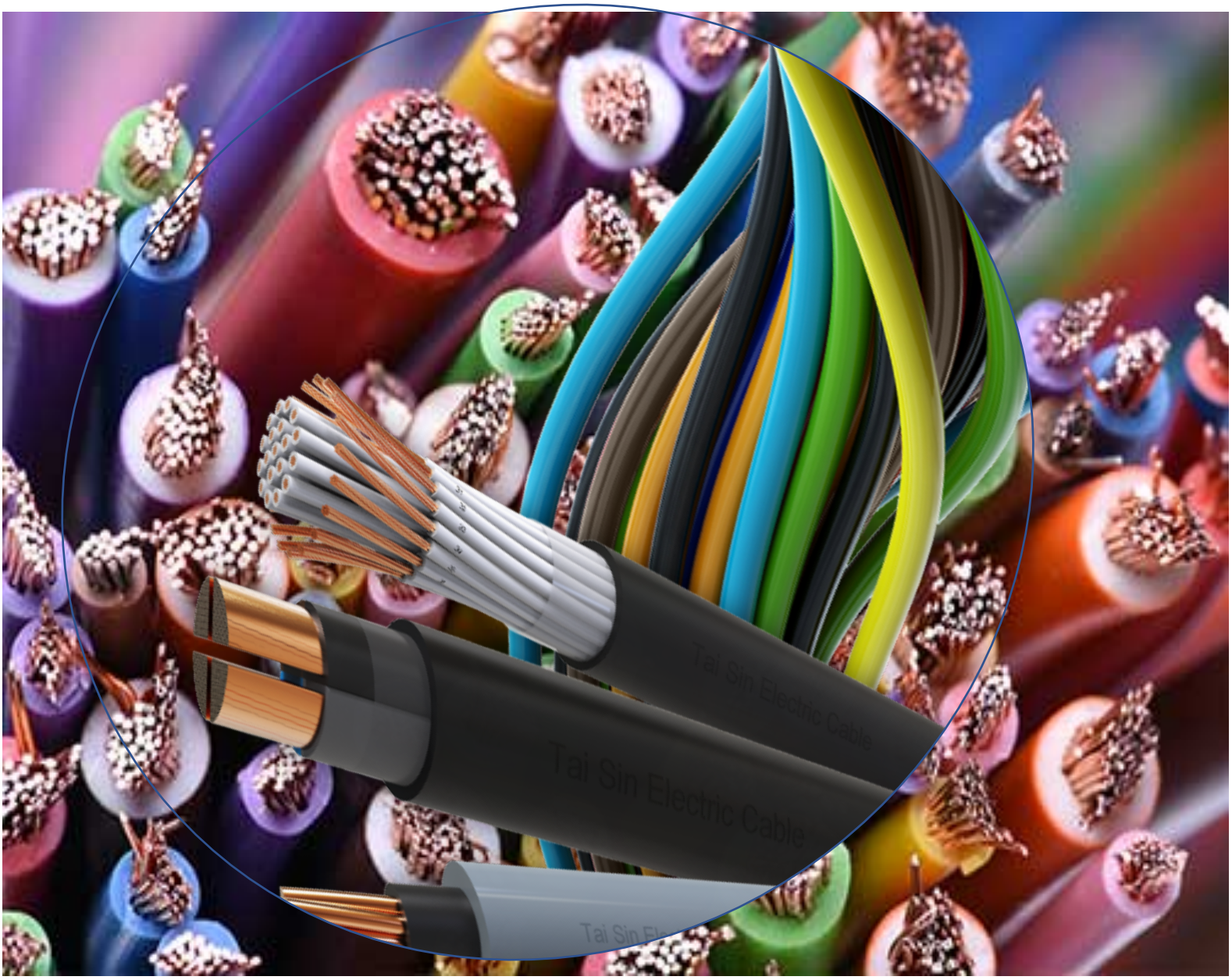
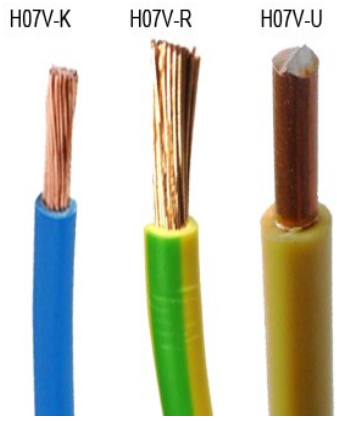
SEEN JOO
YOUR CABLE ACCESSORIES SPECIALIST

Industrial Power Cables



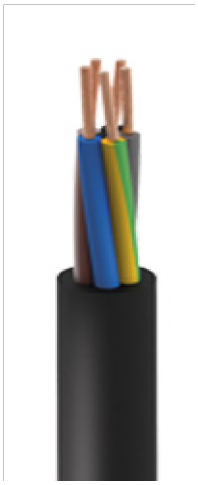
Low voltage wires up to 750 Volt
H07V-K, H07V-R, H07V-U

H07V-U cable: intended for the installation to the inside of apparatus as well as for the protective laying to the lightings, in dry rooms, in production facilities, switch and distributor boards, in tubes, under and surface mounting of plasters.
H07V-R cable: is preferably for installation indoors, in cable ducts and in industrial plants or switching stations installation. Can be used in switchboards and distributor boards or where a thicker strand of multi-wire is required



Construct:
Construction: BS EN 50525-2-31, BS 6004,
GOST R MEK 60227-3(IEC 60227-3)
Flame propagation: BS EN 60332-1-2 Low Voltage Directive:
2006/95/EC Conductor:
1. H07V-U: Solid Copper,
2. H07V-K: Stranded copper class 5 according to DIN VDE 295
3. H07V-R: Stranded Copper Conductor
Voltage: H05V-K: Uo/U 300/500 V, H07V-K: Uo/U 450/750 V
Insulation: PVC
Standards: DIN,
Operating temp: Max. operating temperature 70 ºC
Short circuit temperature 160 C

Flexible Colour Rubber Cable 450/750 volt
2~10 Core H07RN-F/H05RR-



Construct
Conductor: Class 5 flexible plain copper to
BS EN 60228:2005(previously BS6360)
Insulation: EPR (Ethylene Propylene Rubber) Type E14 to BS7655
Sheath: PCP(Polychloroprene) Type EM3 to BS7655
Sheath Colour: Black
Voltage: 450/750V
Temperature Rating: conductor operation temperature -30°C to +60°C (85°C max)
Minimum Bending Radius: Up to 25mm2:6xoverall diameter.
Above to 25mm2:8xoverall diameter
Standards: BS7919 CENELEC HD22 4S4

LOW VOLTAGE Flexible class 5 copper conductor, rubber insulated cable

Suitable for all types of low voltage installations indoor & outdoor
H07RN-F

Construct:
Conductor: class 5, flexible plain copper wire
Insulation: rubber compound
Outer sheath: polychloroprene or equivalent synthetic elastomer
Colour: black
Colours for core identification:
Single core: black. Two cores: blue brown.
Three cores: brown-black-grey or blue-brown-yellow/green.
Four cores: blue-brown-black-grey or brown-black-grey-yellow/green.
Five cores: blue-brown-black-grey-black or blue-brown-black-grey-yellow/green.
Multicores: black with numbers, with or without yellow/green core.

Un-armoured XLPE/PVC Power Cable
4 Core 2.5-300mm2 AL/Cu

Construct
Conductor: Aluminium or Copper
Insulation: PVC/LSF/Flame Retardants
Cores: 1, 2, 3, 4, 5, 3+1, 4+1, 3+2
Section Area: 1.5mm2-300mm2
Standard: IEC 60502, BS 7870, etc.

SWA/STA Armoured Power Cable
4 Core 2.5-300mm2 AL/Cu

Construct
Conductor: Aluminium or Copper
Armoured: SWA (Steel Wire Armoured) /
STA (Steel Tape Armoured) or Non-Armoured
Insulation: PVC/LSF/Flame retardants
Cores: 1, 2, 3, 4, 5, 3+1, 4+1, 3+2
Section Area: 1.5mm2-300mm2
Standard: IEC 60502, BS 7870, etc

6.6KV to 33 KV XLPE Insulated, Copper Tape Screen, PVC Inner Sheathed, Double Steel Tape Armoured PVC Sheathed Cable (1 & 3-core)

Construct
Conductor: Plain Annealed Copper, Class 2 Conductor
Conductor Screen: Extruded Semi Conductive Compound
Insulation: Cross-linked Polyethylene (XLPE) Compound
Insulation Screen: Extruded Semi Conductive Compound
Metallic Screen: Copper Tape Screen
Assembled Core: PP Yarn Filler with Binder Tape
Inner Sheath: Polyvinyl Chloride (PVC) Compound (LSZH upon request)
Armour: Double Steel Tape Armour (DSTA)
Outer Sheath: Polyvinyl Chloride (PVC) Compound Type ST2 (LSZH upon request)
Outer Sheath Colour: Black
Operating voltage, U_0 / U: 3.8/6.6kV, 6.35/11kV, 8.7/15kV, 12.7/22kV, 19/33kV
Conductor Operating temperature: 90°C
Final short circuit temperature: 250°C
Test Voltage: $3.5U_0$
Specification: IEC 60502-2

One and Three Core, XLPE Insulated, Copper Tape Screen, PVC Sheathed Cable 6.6kV To 33kV.

Construct
Conductor: Plain Annealed Copper, Class 2 Conductor
Conductor Screen: Extruded Semi Conductive Compound
Insulation: Cross-linked Polyethylene (XLPE) Compound
Insulation Screen: Extruded Semi Conductive Compound
Metallic Screen: Copper Tape Screen
Assembled Core: PP Yarn Filler with Binder Tape
Outer Sheath: Polyvinyl Chloride (PVC) Compound Type ST2 (LSZH upon request)
Outer Sheath Colour: Black
Operating voltage, U_0 / U: 3.8/6.6kV, 6.35/11kV, 8.7/15kV, 12.7/22kV, 19/33kV
Conductor Operating temperature: 90°C
Final short circuit temperature: 250°C
Test Voltage: $3.5U_0$ Specification: IEC 60502-2

Flame Retardant Variable Speed Drive Cables
600/1000V 3 Phase-Core + 3 Earth-Core
XLPE Insulated, Copper Tape Screen,
Unarmoured & Armoured, LSZH Sheathed Cable
CU/XLPE/LSZH/CTS/LSZH or CU/XLPE/LSZH/CTS/SWA/LSZH

Construct
Conductor: Plain Annealed copper wire
Insulation: XLPE insulation
Metallic screen: Copper tape screen
Armour: Steel wire armoured/ unarmoured
Outer Sheath: LSZH Compound
Insulation colour: Phase-core: brown, black, grey
Earth-core: Green/yellow
Outer Sheath colour: Black
Operating voltage: 600/1000 volts
Operating temperature: 90 deg. C
Specification: IEC60502-1, IEC 60228
Flame retardant: IEC60332-3, IEC60754, IEC61034

Application: For applications that require electromagnetic compatibility (EMC) to supply motors from variable speed controllers in fixed installation, suitable for variable speed drive equipment or other applications requiring screened cables

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600/1000V Multi-Core
XLPE Insulated, Unarmoured & Armoured,
LSZH Sheathed
CU/XLPE/LSZH-AT or CU/XLPE/LSZH/SWA/LSZH-AT

Construct:
Conductor: Plain annealed copper,
Insulation: XLPE or XLEVA compound insulated,
Armour: unarmoured or galvanized steel wires armoured,
Outer Sheath: Anti-termite LSZH compound sheathed cable
Insulation colour: white with black numbering
Outer Sheath colour: Black
Specification: IEC60502-1, BS6742, IEC60332-1-2, IEC60332-3, IEC60754, IEC61034-2
Operating Voltage: 600/1000 volts
Operating temperature: 90 deg. C
Application: power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, and high-rise buildings

Cable Enquiry Form

to

SEEN JOO COMPANY PTE LTD

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Ph. +65 62982424
Fax +65 68448496

www.seenjoo.com.sg

Sender

Contact _____

Phone _____ Fax _____

Enquiry No. _____

Date _____

Requirement _____ m ☐ once ☐ continuous

yearly requirement approx. _____ m

Make-up ☐ Coil _____ m
☐ Drum

Delivery required _____

Size _____

Type of Cable _____

Application

a.) ☐ indoor ☐ outdoor

b.) ☐ stationary ☐ for flexing ☐ with reversed bending / torsion
☐ Drag chain: speed _____ m/s Acceleration _____ m/s² Tracing range _____ m
load ☐ cyclic ☐ non-cyclic

c.) Temperatures ambient _____ °C continuous _____ °C intermitted _____ °C for _____ Min/Std

Construction

1. Conductor
☐ Copper ☐ St-Cu ☐ solid ☐ Stranded wire (_____ Ø mm)
☐ bare ☐ tinned ☐ silvered ☐ nickel-plated ☐ _____
No. of cores x cross section _____ x _____ mm² No. of wires x diam. _____ x _____ mm
No. of cores x cross section _____ x _____ mm² No. of wires x diam. _____ x _____ mm
No. of cores x cross section _____ x _____ mm² No. of wires x diam. _____ x _____ mm

2. Insulation
☐ PVC ☐ PE ☐ Zell-PE ☐ PUR ☐ PETP ☐ Rubber ☐ Thermopl. rubber ☐ Silicone
☐ ETFE ☐ FEP ☐ PTFE ☐ _____

3. Colour-code
☐ black with white numbers ☐ with protected conductor green-yellow ☐ colours to DIN 47100 ☐ colours to VDE
☐ _____

4. Screening
☐ Single core ☐ Pairs which core/pair _____
☐ Cu-bare ☐ Cu-tinned ☐ Cu-silvered
as ☐ Braiding ☐ Serving ☐ Alu-Foile (St) Covering approx. _____ %
Drain wire bare/tinned _____ mm Ø Stranded drain wire bare/tinned _____ mm Ø
with/without protection against elec. shock, hazard under screen, with/without foil/insulation over screen

5. Support Element
☐ Hemp ☐ Polypropylen ☐ galv. Steel ☐ Kevlar ☐ _____
Tensile load _____ N

6. Centre _____ mm Ø ☐ PVC ☐ Polypropylen ☐ _____

7. Stranding ☐ Cores in layer stranding ☐ twisted in pair ☐ all ☐ _____

8. Inner sheath ☐ **yes:** ☐ PVC ☐ Rubber ☐ Silicone ☐ Fleece ☐ Foil ☐ _____

9. Overall Screen ☐ **yes:** ☐ Cu-bare ☐ Cu-tinned ☐ Cu-silvered
☐ braiding ☐ Serving ☐ Alu-Foil Covering _____ %
with/without drain wire/stranded drain wire _____ mm Ø/mm² bare/tinned

10. Armouring ☐ Steel wire galv.

11. Outer sheath ☐ PVC ☐ PUR ☐ PETP ☐ PE ☐ Rubber ☐ Thermopl. Rubber ☐ Neoprene
☐ Silicon ☐ ETFE ☐ FEP ☐ PTFE ☐ _____
Outer Ø _____ mm Colour _____
☐ Outerprinting /text) _____

Electrical Characters
Operating voltage _____ V Capacity Cond./Cond. _____ pF/m
Test Voltage _____ V Capacity Cond./shield. _____ pF/m

Additional details & Preferred Brands _____