



**PT SUPREME CABLE**  
MANUFACTURING & COMMERCE Tbk.  
( PT SUCACO Tbk.)



**PT. SUMARTA SUKSES SEJAHTERA**  
GENERAL TRADE & CABLE SUPPLY

# PRODUCT BROCHURE



**QUALITY CABLE  
YOU CAN TRUST**

Scan For  
Catalogue





**BCC 1/2-H & BCC H**  
**SPLN 41-4 / SPLN 41-5**  
**BCC-SOFT IEC-60228**  
 Bare Copper Conductor half hard or hard.  
 Main used for grounding conductor.



**AAC**  
**SPLN 41-6 / ASTM B 231**  
 All Aluminium Conductor.  
 Main used for overhead transmission & distribution.



**AAAC**  
**SPLN 41-8 / ASTM B 399**  
 All Aluminium Alloy Conductor.  
 Main used for overhead transmission & distribution.



**ACSR**  
**SPLN 41-7 / ASTM B 232 / BS 215-2**  
 Aluminium Conductor Steel Reinforced.  
 Main used for overhead transmission & distribution.



**ACSR / AS**  
**ASTM B 549 / DIN 48200 /**  
**DIN 48204**  
 Aluminium Conductor, Aluminium clad steel reinforced.  
 Main used for overhead transmission & distribution.



**T-AAAC**  
**JEC 197**  
 Thermal resistant Aluminium Alloy conductor.  
 Main used for overhead transmission & distribution.



**TACSR / AS**  
**JPFEC A 242**  
 Thermal resistant Aluminium Conductor Aluminium clad Steel Reinforced.  
 Main used for overhead transmission & distribution.



**HVCRC / TW**  
**ASTM B 857 : B 609**  
 High voltage Composite Reinforced Conductor / Trapezoidal Wires.  
 Main used for overhead transmission (re-conductoring).



**NYA**  
**SNI 04-6629.3**  
**450/750 Volts**  
 Single core copper conductor, PVC insulated.  
 Main used for permanent installation in conduit exposed wiring in dry location.



**NYM**  
**SNI 04-6629.4, IEC 60227-4**  
**300/500 Volts**  
 Multicores, copper conductor, PVC insulated, PVC sheathed, round or flat type.  
 Main used for permanent installation in conduit under plaster or exposed installation in dry location.



**NYAF**  
**SNI 04-6629.3, IEC 60227-3**  
**470/750 Volts**  
 Single core, flexible copper conductor, PVC insulated.  
 Main used for permanent installation in conduit exposed in certain conditions.



**NYMHY**  
**SNI 04-6629.5, IEC 60227-5**  
**300/500 Volts**  
 Multicores, flexible copper conductor, PVC insulated, PVC sheathed.  
 Main used for indoor location connection or portable appliance.



**NYHY**  
**Manufacturing Spec. or**  
**SNI IEC 60502-1**  
**450/750 Volts or 0.6/1(1.2) kV**  
 Multicores, flexible copper conductor, PVC insulated, PVC sheathed.  
 Main used for indoor or outdoor location, connection in portable appliances.



**NY, NAYY**  
**SNI IEC 60502-1**  
**0.6/1(1.2) kV**  
 Single, multicores, power & control cable, copper or aluminium conductor, PVC insulated, PVC sheathed.  
 Main used for indoor, in duct installation or for laying in the ground where not sustain mechanical damage.



**NYSY, NYCY**  
**SNI IEC 60502-1, IEC 60502-1**  
**0.6/1(1.2) kV**  
 Multicores, power & control cable, copper conductor, PVC insulated, copper wire or copper tape screened, PVC sheathed.  
 Main used for street and outdoor lighting, house services in urban network, indoor, in ducts installation or in the open where not sustain mechanical damage.



**NYFGbY, NYRGBbY, NAYFGbY, NAYRGBbY**  
**SNI IEC 60502-1**  
**0.6/1(1.2) kV**  
 Multicores, power & control cable, copper or aluminium conductor, PVC insulated, round steel wire or steel tape armoured, PVC sheathed.  
 Main used for indoor and outdoor installation direct burial, preferably used where mechanical stress must be envisaged.

**R-VV  
INDOOR CABLE  
STEL-K 011**

Copper conductor, PVC insulated, PVC sheathed.  
Main used for indoor installation and telephone.

**U-E S DROP WIRE  
STEL-K 004**

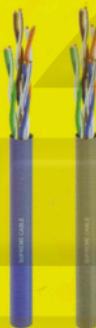
Copper conductor, PE insulated, steel supporting wire.  
Main used for service drop wire for covering spans not more than 20 m.

**T-E J (Pem) E  
JELLY FILLED ARMOURED CABLE  
STEL-K 007**

Copper conductor, PE insulated, jelly filled, aluminium tape screened, double steel tape armoured, PE sheathed.  
Main used as direct burial cable for local networks in moist or marshy regions and can prevent the penetration and migration of water.

**Tp-E J (Pe) E  
JELLY FILLED NON ARMOURED CABLE  
STEL-K 008**

Copper conductor, PE insulated, jelly filled, aluminium tape screened, PE sheathed.  
Main used for local networks in moist or marshy regions, can prevent the penetration and migration of water.  
It can be used as duct cable.

**LAN Cable, Category 6  
Unshielding Twisted Pairs  
TIA/EIA 568, ISO/IEC 11801**

Copper conductor, PE insulated X-filler PVC sheathed. Support high speed, high-bandwidth applications, including 1.000 BASE-T (Giga Bit Ethernet) 622 MbpsATM.

**LAN Cable, category 5e  
Unshielding Twisted Pairs  
TIA/EIA 568, ISO/IEC 11801**

Copper conductor PE insulated, PVC or PE sheathed. Realize high performance in existing 10BASE-T, 100 BASE-T Ethernet due to superior properties compared to standard category 5e cable.

**OPGW  
Optical grounding wire  
Stainless Steel Loose Tube**

Single mode color coded optical fibers, water blocking filling compound stainless steel tube, aluminium clad steel wire, aluminium alloy wire.  
Main used in overhead transmission line for control communication data and voice.

**H1Z2Z2-K  
PV/Solar Cable**

Single core DC/solar cable, copper conductor, cross linked compound insulated, cross linked compound outer sheath.  
Main used for outdoor location, connection between solar modules and inverters in photovoltaic system.

**Fire Resistant Power Cable  
NYY-FE, N2XY-FE, N2XH-FE  
IEC 60502-1, IEC 60331  
0.6/1(1.2)kV**

Single and multicore, fire resistant tape, XLPE or PVC insulated, PVC or LSZH sheath.  
Main used for indoor. They are intended for uses in installation where vital circuits are required to continue to operate in the event of an outbreak of fire. They are particularly suited for uses in public buildings, such as hospitals, schools, banks, theaters, shopping developments, tunnels, mass transit utilities, oil & petrochemical plants, power station.

**DUCT  
Optical Fiber Cable  
STEL-K 015**

Single mode color coded optical fibers, strength member, gel filled loose tube, water blocking tape, aluminium tape screened, PE sheathed. Designed to be pulled into duct system or laid into duct tray in service ducts of an optical fiber cable communication network.

**DIRECT BURIED  
Optical Fiber Cable  
STEL-K 016**

Single mode color coded optical fibers, strength member, gel filled loose tube water blocking tape, aluminium tape screened, steel tape corrugated armoured, PE sheathed. Designed to be buried directly in the ground by either trenching or ploughing.

**AERIAL  
Optical Fiber Cable  
STEL-K 017**

Single mode color coded optical fibers, strength member, gel filled loose tube, water blocking tape, aluminium tape screened, steel wire messenger, PE sheathed. Designed to be pulled from the utility poles of an optical fiber cable communication network.

**Fire resistant instrument cable  
BS EN 50288-7, BS 5308-1, BS 5308-2**

Single and multi pairs, fire resistant tape, PVC or PE XLPE insulated, individual and overall screened, PVC or PE sheathed.  
Main used within industrial manufacturing plant for control, communication, data and voice transmission signal and service in petroleum or oil and gas industry.

**Armoured instrumentation cable  
BS EN 50288-7, BS 5308-1, BS 5308-2**

Single and multi pairs, fire resistant tape, PVC or PE or XLPE insulated individual and overall screened, round steel wire armoured, PVC or PE sheathed.  
Main used within industrial manufacturing plant for control, communication, data and voice transmission signal and service in petroleum or oil and gas industry.

**Fire resistant corrugated instrumentation cable  
BS EN 50288-7, BS 5308-1, BS 5308-2**

Single and multi pairs, fire resistant tape, PVC or PE or XLPE insulated individual and overall screened, aluminium corrugated tape armoured, PVC or PE sheathed.  
Main used within industrial manufacturing plant for control, communication, data and voice transmission signal and service in petroleum or oil and gas industry.

**Lead & armoured instrumentation cable  
BS EN 50288-7, BS 5308-1, BS 5308-2**

Single and multi pairs PVC or PE insulated, individual and overall screened, lead sheathed, round steel wire armoured PVC or PE sheathed.  
Main used within industrial manufacturing plant for control, communication, data and voice transmission signal and service in petroleum or oil and gas industry.



**NYRY, NAYRY, N2XRY, NA2XRY,  
NYBY, NAYBY, N2XBY, NA2XBY  
IEC 60502-1  
0.6/1(1.2) kV**

Single core, power cable, copper or aluminium conductor, PVC or XLPE insulated, round aluminium wire or double aluminium tape armoured, PVC sheathed. Main used for indoor and outdoor installation direct burial, preferably used where mechanical stress must be envisaged.



**N2XFGbY, N2XRGbY, N2XBY,  
NA2XFGbY, NA2XRGbY, NA2XBY  
IEC 60502-1  
0.6/1(1.2) kV**

Multicores power & control cables, copper conductor or aluminium conductor, XLPE insulated, flat or round steel wire or steel tape armoured, PVC sheathed. Main used for indoor or outdoor installation direct burial preferably used where mechanical stress must be envisaged.



**N2XKY, NA2XKY, N2XK2Y,  
NA2XK2Y  
IEC 60502-1  
0.6/1(1.2) kV**

Single and multicores power cables, copper or aluminium conductor, XLPE insulated, lead alloy sheathed, PVC or PE sheathed. Main used for in petroleum and chemical plants and in areas in which ground water contains waste oils or sulfides.



**N2XKFGbY, NA2XKFGbY, N2XKBY,  
NA2XKBY, N2XKB2Y  
IEC 60502-1  
0.6/1(1.2) kV**

Copper or aluminium conductor, XLPE insulated, lead alloy sheathed, flat or steel tape armoured, PVC or PE sheathed. Main used for indoor and outdoor installation, direct burial in petroleum and chemical plants and in ground water contains waste oils or sulfides.



**CV, CE  
JIS 3606  
3,300 Volt and 6,600 Volt**

Single and multicores power cable, copper conductor, XLPE insulated, copper tape screened, PVC or PE sheathed. Main used for distribution indoor and outdoor installation in conduit, through or trays.



**CVT, CET  
JIS 3606  
6,600 Volt**

Three single core triplex type, copper conductor, XLPE insulated, copper tape screened, PVC or PE sheathed. Main used for direct burial installation or in ducts, for power station, industrial plants and switching stations.



**EV, EE, CV, CE, CVV  
JIS 3605  
600 Volt**

Single and multicores power cable, copper conductor, PVC or PE insulated and sheathed. Main used for indoor, in ducts installation or for laying in the ground where not sustain mechanical damage.



**DUPLEX, TRIPLEX, QUADRUPLEX  
SII 1039  
0.6/1(1.2) kV**

Multicores aluminium conductor, PE or XLPE insulated, self supporting secondary and services. Main used for overhead distribution street lighting and services drop cable.



**NF2X, NFA2X, NFA2X-T  
SPLN D3.010-1  
0.6/1(1.2) kV**

Multicores copper or aluminium conductor, XLPE insulated, self-supporting steel messenger. Main used for aerial secondary distribution service at 1 kV or less, either overhead distribution street lighting and services drop cable.

**AAAC-S  
SPLN 41-10  
12/20 kV**

Single core All aluminium alloy conductor, XLPE covering. Main used for installation on roof pole.



**N2XSY, NA2XSY  
SPLN 43-5-3  
12/20(24) kV**

Single core power cable, copper or aluminium conductor, XLPE insulated with water blocking tape, copper wire and copper tape screened, PVC sheathed. Main used for distribution, indoor and outdoor installation in conduit, trays or in the ground where not sustain mechanical damage.



**N2XSY, NA2XSY, N2XCY, NA2XCY  
IEC 60502-2  
1.8/3(3.6) kV up to 18/30(36) kV**

Single core power cable, copper or aluminium conductor, XLPE insulated, copper tape screened, PVC sheathed. Main used for distribution, indoor and outdoor installation in conduit, trays or in the ground where not sustain mechanical damage.



**N2XSEY, NA2XSEY  
SPLN 43-5-4  
12/20(24) kV**

Multicores copper or aluminium conductor, XLPE insulated, with water blocking tape, copper wire and copper tape screened, PVC sheathed. Main used for distribution indoor and outdoor installation in conduit, trays or in the ground where not sustain mechanical damage.



**N2XSEYFGbY, NA2XSEYFGbY  
N2XSEYBY, NA2XSEYBY  
SPLN 43-5-4  
12/20(24) kV**

Multicores copper or aluminium conductor, XLPE insulated, with water blocking tape, copper wire and copper tape screened, flat steel wire or double steel tape armoured, PVC or PE sheathed. Main used for primary underground distribution installation direct burial in wet or dry location.



**N2XSEFGbY, NA2XSEFGbY  
N2XSEBY, NA2XSEBY  
IEC 60502-2  
1.8/3(3.6) kV up to 18/30(36) kV**

Copper or aluminium conductor, XLPE insulated, copper tape screened, flat steel wire or double steel tape armoured, PVC or PE sheathed. Main used for primary underground distribution installation direct burial in wet or dry location.

**N2XS(ALCA)Y, NA2XS(ALCA)Y, N2XC(ALCA)Y, NA2XC(ALCA)Y****IEC 60502-2****1.8/3(3.6) kV up to 18/30(36) kV**

Single core power cable, copper or aluminium conductor, XLPE insulated, copper tape screened aluminium corrugated armoured, PVC or PE sheathed.

Main used for indoor and outdoor installation, direct burial preferable use where mechanical stress must be envisaged

**N2XSK (ALCA)Y, N2XCK (ALCA)Y****IEC 60502-2****1.8/3(3.6) kV up to 18/30(36) kV**

Single core Cooper or aluminium conductor XLPE insulated copper tape screened, lead alloy, sheathed, aluminium corrugated armoured, PVC or PE sheathed. Main used for indoor and outdoor installation direct burial in petroleum and chemical plants and in ground water contains waste oils or sulfides.

**N2XSKY, NA2XSKY, N2XCKY, NA2XCKY, N2XSK2Y, NA2XSK2Y****IEC 60502-2****1.8/3(3.6) kV up to 18/30(36) kV**

Single core power cable, copper or aluminium conductor, XLPE insulated, copper tape screened, lead alloy sheath, PVC or PE sheathed.

Main used for distribution, indoor and outdoor installation in petroleum and chemical plants and in areas in which ground water contains waste oils or sulfides.

**N2XSEKY, NA2XSEKY, N2XSEK2Y, NA2XSEK2Y****IEC 60502-2****1.8/3(3.6) kV up to 18/30(36) kV**

Multicores power cable copper or aluminium conductor, XPLE insulated, copper tape screened, lead sheathed, PVC or PE sheathed.

Main used for distribution indoor and outdoor installation in petroleum and chemical plants and in areas in which ground water contains waste oils or sulfides.

**N2XSEKFGbY, NA2XSEKFGbY, N2XSEKbY, NA2XSEKbY****IEC 60502-2****1.8/3(3.6) kV up to 18/30(36) kV**

Multicores copper or Aluminium conductor, XLPE insulated, copper tape screened, lead alloy sheathed. Flat steel wire or double steel tape armoured, PVC or PE sheathed.

Main used for primary distribution installation direct burial, in petroleum and chemical plants and in ground water contains waste oils or sulfides.

**NF2XSY, NFA2XSY, SPLN 43-5-1****12/20 (24) kV**

Three single core power cable, copper or aluminium conductor, XLPE insulated, with water blocking tape, copper wire and copper tape screened, PVC sheathed.

Main used for direct burial installation or in ducts, for power station, industrial plants and switching stations.

**N2XSEBH, NA2XSEBH, N2XSEFGbH, NA2XSEFGbH****Low smoke zero halogen cable IEC60502-2****1.8/3(3.6) kV up to 18/30(36) kV**

Multicores copper or aluminium conductor, XLPE insulated, copper tape screened. Flat steel wire or double steel tape armoured. Low smoke zero halogen (LSZH) sheathed.

Main used for installation direct buried, hotel, hospital, exhibition centre and mines.

**NFA2XSY-T, SPLN 43-5-2****12/20 (24) kV**

Three single core power cable, aluminium conductor, XLPE insulated, copper wire and copper tape screened. PVC sheathed, steel wire messenger.

Main used for outdoor installation power station, industrial plants and switching stations.

**N2XC2Y, NA2XC2Y, SPLN T3 006-1, IEC 60840****87/150(170) kV**

Single core high voltage cable, copper or aluminium conductor, XLPE insulated, copper wire screened, lead sheathed and PE outer sheathed provided with longitudinal and radial water blocking. Main used for underground transmission, excellent water barrier and chemicals protection.

**N2XC(AL)2Y, NA2XC(AL)2Y, IEC 60840****87/150(170) kV**

Single core high voltage cable, copper or aluminium conductor, XLPE insulated, copper wire screened, aluminium laminated & PE outer sheathed provided with longitudinal and radial water blocking. Main used for in air or cable duct installation, excellent water barrier.

**N2XC2Y, N2XCY, IEC 60840****87/150(170) kV**

Single core high voltage cable, copper conductor, XLPE insulated, copper wire screened, PE or PVC outer sheath, provided with longitudinal and radial water blocking.

Main used for in air or cable duct installation with water barrier.

**N2XAS2Y, SPLN T3 006-2, IEC 60840****87/150(170) kV**

Single core high voltage cable, copper conductor, XLPE insulated, corrugated aluminium sheath, PE outer sheath. Main used for in air or cable duct installation with water barrier.

**FLCY, FL2XY, IEC 60502****1.8/3(3.6) up to 6/10(12) kV**

Single core, copper conductor, XLPE or PVC insulated, copper wire screened, PVC sheathed.

Main used for streets and airport lighting.

**R-V (Pe) V, INDOOR SCREEN CABLE, STEL-K 010**

Copper conductor, PVC insulated, aluminium tape screened, PVC sheathed. Main used for indoor installation and telephone.

**U-E (Pe) ES, AERIAL CABLE, STEL-K 001**

Copper conductor, PE insulated, aluminium tape screened. PE sheathed, galvanized round steel wire messenger. Main used for selfsupporting aerial cable on the outskirts of cities and in residential areas.

**R-V, JUMPER WIRE, STEL-K 006**

Copper conductor, PVC insulated. Main used for distribution line between a protector and a telephone connector of subscriber's line.

**SBUEW enameled wire  
JIS C 3202-7**

200 °C, can be soldered without stripping off insulation.  
Main used for relay, DY coils, voice coils and VTF drive.

**EIWA1 enameled wire.  
IEC 60317-13**

200 °C, excellent heat resistant, excellent dielectric and overload capacity.  
Main used for for high performance motor and welding transformer.

**PEWN enameled wire.  
IEC 60317-22**

180 °C, excellent wind ability, good abrasion resistant, lower coefficient of friction. Main used for small and industrial motors, household appliance, ballast, small transformer, magnetic coils and relay.

**PEW enameled wire  
JIS C 3202-5, IEC 60317-3**

155 °C, superior dielectric characteristics. Main used for generator, household appliance, industrial motors, dry type and small transformer, measuring instrument ballast, communication coils, transformer coils, solenoid magnetic switch, coils for lighting pictures, magnetic coils, relay.

**PVF enameled wire.  
JIS C 3202-2, IEC 60317-2, MW 15-C**

105°C, excellent oil resistant, excellent windability, good abrasion resistance. Main used for small motors, refrigeration, dry type and oil immersed transformer, communication coils, transformer coils solenoid magnetic switch and coils for lighting fixtures and generators.

**PEWAI enameled wire.  
IEC 60317-13**

200 °C, excellent refrigerant resistant high resistance to overload and cut through outstanding thermal stability. Main used for hermetic, Industrial and high performance motors, welding and dry type transformer, ballast and ignition coils.

**EIW enameled wire.  
JIS C 3202-8, IEC 60317-8**

180 °C, excellent heat resistant, excellent dielectric and overload capacity. Main used for hermetic, industrial, small and high performance motors, welding, small and dry type transformer ballast, ignition coils and magnetic coils.

**UEW enameled wire  
JIS C 3202-6, IEC 60317-4**

130 °C, can be soldered without stripping off insulation. Main used for small motors, refrigeration, household appliance, small transformer, measuring instrument, communication coils, magnetic coils, electricity meter and relay.

# STANDARD

The Cables are produced to conform with both the Indonesian and the international standards of industry, such as :

**SNI - IEC, SPLN, STEL-K, IEC, VDE, DIN, JIS, ICEA/NEMA and BS.**

On request the company will also produce products according to other specifications..

## TYPE DESIGNATION ( Code for designating the make up elements )

|     |  |    |  |
|-----|--|----|--|
| N   | : Cable with copper conductors.  | NF | : Standard twisted cable with copper conductor.          |
| NA  | : Cable with aluminium conductors.   | C  | : Concentric copper wire screening.                      |
| Y   | : Polyvinylchloride ( PVC ) insulation.<br>( first Y in the type designation ) | F  | : Galvanized flat steel wire armour.                     |
| Y   | : Polyvinylchloride ( PVC ) sheath.<br>( second Y in the type designation )    | R  | : Galvanized round steel or aluminium wire armour.       |
| 2Y  | : Polyethylene ( PE ) insulation<br>( first 2Y in the type designation )       | Gb | : Steel tape helix ( following F or R ).                 |
| 2Y  | : Polyethylene( PE ) sheath<br>( second 2Y in the type designation )           | B  | : Double galvanized steel tape or aluminium tape armour. |
| 2X  | : Cross-linked polyethylene insulation.  | CV | : XLPE insulated, PVC sheathed cable.                    |
| S   | : Copper tape screening.   | CE | : XLPE insulated, PE sheathed cable.                     |
| SE  | : Copper tape screening for each core.   | re | : Circular, solid conductor.                             |
| CE  | : Concentric copper conductor over each core.                                  | rm | : Circular, stranded conductor.                          |
| NFA | : Standard twisted cable with aluminium conductor.                             | se | : Shaped, solid conductor.                               |
| T   | : Steel wire messenger.  | sm | : Shaped, stranded conductors.                           |
|     |  | cm | : Circular stranded compacted conductor.                 |
|     |  | rs | : Circular segmental compacted conductor.                |
|     |  | f  | : Flexible conductor.                                    |

**PT. SUMARTA SUKSES SEJAHTERA**  
GENERAL TRADE & CABLE SUPPLY



RUKO EMERALD BLOK EB 1 NO.28  
HARAPAN INDAH, MEDANSATRIA  
KOTA BEKASI 17132  
JAWA BARAT - INDONESIA  
021-38312137  
[www.sumartasuksessejahtera.com](http://www.sumartasuksessejahtera.com)