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COMPANY OUTLINE

ESTABLISHED:	Incorporated November 4, 1982	RC 50599
COMMENCED MANUFACTURING:	October 1983	
LOCATION:	HEAD OFFICE & FACTORY 17 Osita Onyejianya Street Umuanuka, Otolu, P.M.B. 5040, Nnewi Tel: 046-280087 Mobile: 0813-001-0813 E-mail: customer@cutixplc.com.ng info@cutixplc.com.ng cutixsls@yahoo.com Website: www.cutixplc.com.ng	
OWNERSHIP:	100% Nigerians	



PRODUCT GROUPS

The main product groups manufactured by Cutix Plc are:

PRODUCT:	USE:
1. House wiring cables	Conduit and surface wiring of house, offices and factory.
2. All Aluminium conductors(AAC)	High and low voltage power distribution
3. Aluminium Conductor Steel Reinforced (ACSR)	For overhead power distribution.
4. Copper conductors	Earthing electrical installations
5. Aluminium service cables	Connecting homes to low tension lines
6. Automotive cables	Low and high voltage automotive cables for wiring applications in automobiles
7. Appliance cables	Flexible cords in household electrical appliances
8. Telephone cables	Connecting telephones at home/offices
9. PVC compounds	Insulating and Sheathing of conductors
10. Power Cable	Indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

Cutix Plc has a strong commitment to high quality. The cables are manufactured in accordance with Nigerian Industrial Standards/International Electrotechnical Commission (NIS/IEC) and other International Standards such as IEC and BS, and also to customer specific requirements within these standards. Strict process control along with final inspection and tests are maintained to ensure that all cables produced are of exclusive quality.

SALES OUTLETS

The company products are sold through a network of distributors spread across Nigeria. These distributors are serviced from the Head Office and five sales offices located at the following addresses:

ABA

27 St. Michael Road
Aba
Tel: 08-2290663

KADUNA

B16 Ibrahim Taiwo Road
By Abeokuta Road
Kaduna

ABUJA

Shop 239 Gudu Int'l Market
Abuja
Tel: 09-2910758

LAGOS

17 Olutosin Ajayi Street
Ajao-Estate, Oshodi
Tel: 01-7918827

Shop A1 331 Dei-Dei
Int'l Building Materials Market
Abuja
Tel: 0806-323-1038

Zone C Block 13
Shop NO. 53
ASPAMDA Shopping Complex
0803-9369168

UYO

41 Ikot Ekpene Road
Uyo, Akwaibom State
Tel: 0704-379-8268

Shop 29
Chief Muritala Odofin Shopping Complex
Agungi Busstop, Lekki-Epe Express Way
Tel: 0703-3928006

AWARDS

Cutix Plc has won several awards including the following:-

1. *The Best New Factory of The Year Award* by The Anambra State Government in 1987
2. *The President's Merit Award* of the Nigerian Stock Exchange for Corporate Excellence for a record seven (7) times.
3. *The Nigerian Industrial Standard (NIS) Award for quality* from the Standards Organisation of Nigeria in the following categories Gold since 2003; Silver since 1998 and Bronze since 1995
4. The National Automotive Council Award for Excellence in product Quality in 1999
5. *ISO 9001:2000 Certificate* by the Standards Organisation of Nigeria in 2008.



CUTIX PLC

CORPORATE QUALITY POLICY

1. TO PROVIDE EXCLUSIVE HIGH QUALITY CABLE AND WIRE PRODUCTS AND SERVICES WITH CONTINUAL IMPROVEMENT IN ACCORDANCE WITH NATIONAL AND INTERNATIONAL STANDARDS.
2. TO MEET CUSTOMERS' REQUIREMENTS TIMELY AND AT COMPETITIVE PRICES.

CORPORATE HSE POLICY

CUTIX PLC IS COMMITTED TO POLICIES; PROCEDURES, REGULATIONS AND CODE OF PRACTICES TO ENABLE HER PROVIDE HEALTHY AND SAFE OPERATING CONDITIONS FOR ALL EMPLOYEES, VISITORS AND THE HOST COMMUNITY, AS WELL AS MAINTAINING HIGH STANDARD OF ENVIRONMENTAL PROTECTION.

CUTIX CABLES

... exclusive quality



CUTIX

CORPORATE MISSION

To Power and illuminate the World

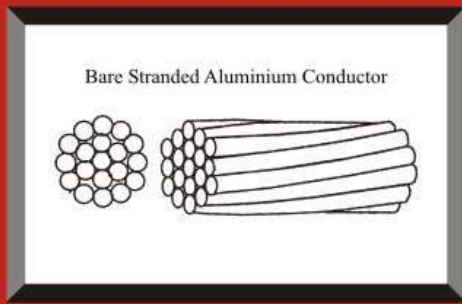
CORPORATE VISION

To become one of the three top players in the World producing electrical energy products/services

CORE VALUES

- Boldness
- Excellence
- Innovation
- Integrity
- Openness





Bare Stranded Aluminium Conductor 0.6/1 KV

Application: Overhead Power Transmission

Specification: NIS/IEC 60228A

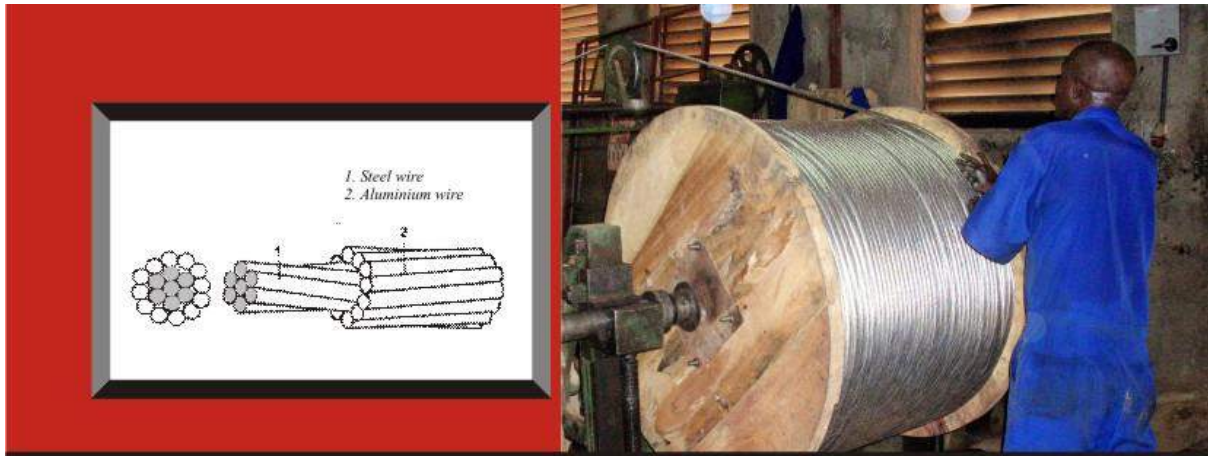
Ref: BS 215 part 1, IEC 61089

Type: BSAC

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/standard length kg	Standard delivery length m	Delivery from
			in ground	in air			
16RS	7 x 1.70	5.1	-	96	264	6,000	R10
25RS	7 x 2.12	6.4	-	126	272	4,000	R10
35RS	7 x 2.50	7.5	-	157	282	3,000	R10
50RS	7 x 3.10	9.3	-	205	435	3,000	R10
50RS	19 x 1.78	9.0	-	196	399	3,000	R10
70RS	19 x 2.12	10.6	-	235	555	3,000	R12
95RS	19 x 2.50	12.5	-	296	768	3,000	R12
100RS	19 x 2.67	13.4	-	316	876	3,000	R12
120RS	19 x 2.80	14.0	-	339	805	2,500	R12
150RS	19 x 3.25	16.3	-	400	868	2,000	R12

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
 2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
 3. Maximum current rating in air is considered at a temperature of 40⁰C.
- RS = Round Stranded Conductor.



Aluminium Conductor Steel Reinforced 0.6/1 KV

Application: Overhead Power Transmission

Specification: NIS/IEC 60228A

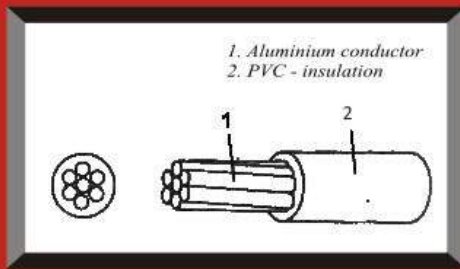
Ref: BS 215 part II, IEC 61089

Type: ACSR

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Code name	Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
100	7 x 1.57 St 6 x 4.72 Al	Dog	14.15	-	327	985	2000	R12
150	7 x 2.59 St 30 x 2.59 Al	Wolf	18.1	-	423	2178	3000	R16
200	7 x 3.00 St 30 x 3.00 Al	Panther	21.0	-	531	1948	2000	R16
265	7 x 3.35 St 30 x 3.35 Al	Bear	23.5	-	579	2426	2000	R18
380	7 x 3.00 St 54 x 3.00 Al	Bison	27.0	-	733	2121	1500	R18
430	7 x 4.27 St 30 x 4.27 Al	Dear	29.9	-	792	1971	1000	R18

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.



PVC Insulated Aluminium Cables 450/750V

Application: Overhead Power Distribution

Specification: NIS/IEC 602287 - 3

Ref: BS 3004, IEC 60228, NIS 155

Type: NAX

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg standard length kg	Standard delivery length m	Delivery form
		insulation mm	sheath mm		In ground	In air			
4RW*	1x 2.25	0.8	-	4.0	-	31	2.4	100	Coil
6RW*	1x 2.76	0.8	-	4.8	-	39	3.4	100	Coil
6RS*	7x 1.04	0.8	-	5.0	-	41	3.2	100	Coil
10RW	1x 3.57	1.0	-	6.0	-	54	5.5	100	Coil
10RS	7x 1.35	1.0	-	6.3	-	54	5.7	100	Coil
16RS	7x 1.70	1.0	-	7.3	-	71	8.0	100	Coil
25RS	7x 2.12	1.2	-	8.8	-	96	11.3	100	Coil
35RS	7x 2.50	1.2	-	10.2	-	118	15.4	100	Coil
50RS	19x 1.78	1.4	-	11.9	-	124	19.7	100	Coil
70RS	19x 2.12	1.4	-	13.7	-	157	26.1	1000	R10

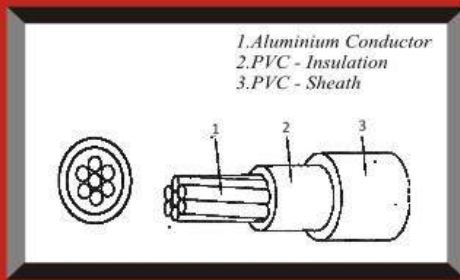
* Specification: Referenced to IEC 60228 only

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.

RW = Round Solid Wire (Conductor)

RS = Round Stranded Conductor



PVC Insulated and Sheathed Single-Core Aluminium Cables 450/750V

Application: Low and Medium Voltage Power Distribution

Specification: NIS/IEC 60227 - 3

Ref: BS 6004, IEC 60228

Type: NAXX

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Minimum Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg standard length kg	Standard delivery length m	Delivery form
		insulation	sheath		In ground	In air			
		mm	mm						
4RW*	1x 2.25	0.8	0.9	5.8	42	31	4.5	100	Coil
6RW*	1x 2.76	0.8	0.9	6.2	54	39	5.7	100	Coil
6RS*	7x 1.04	0.8	0.9	7.0	54	41	5.7	100	Coil
10RW	1x 3.57	1.0	0.9	7.4	71	54	8.2	100	Coil
10RS	7x 1.35	1.0	0.9	7.4	72	54	8.2	100	Coil
16RS	7x 1.70	1.0	1.0	9.1	97	71	11.5	100	Coil
25RS	7x 2.12	1.2	1.1	11.0	126	96	16.7	100	Coil
35RS	7x 2.50	1.2	1.1	12.1	151	118	108.0	500	R8
50RS	19x 1.78	1.4	1.2	14.1	-	124	269	1000	R10
70RS	19x 2.12	1.4	1.2	15.9	-	157	343	1000	R12

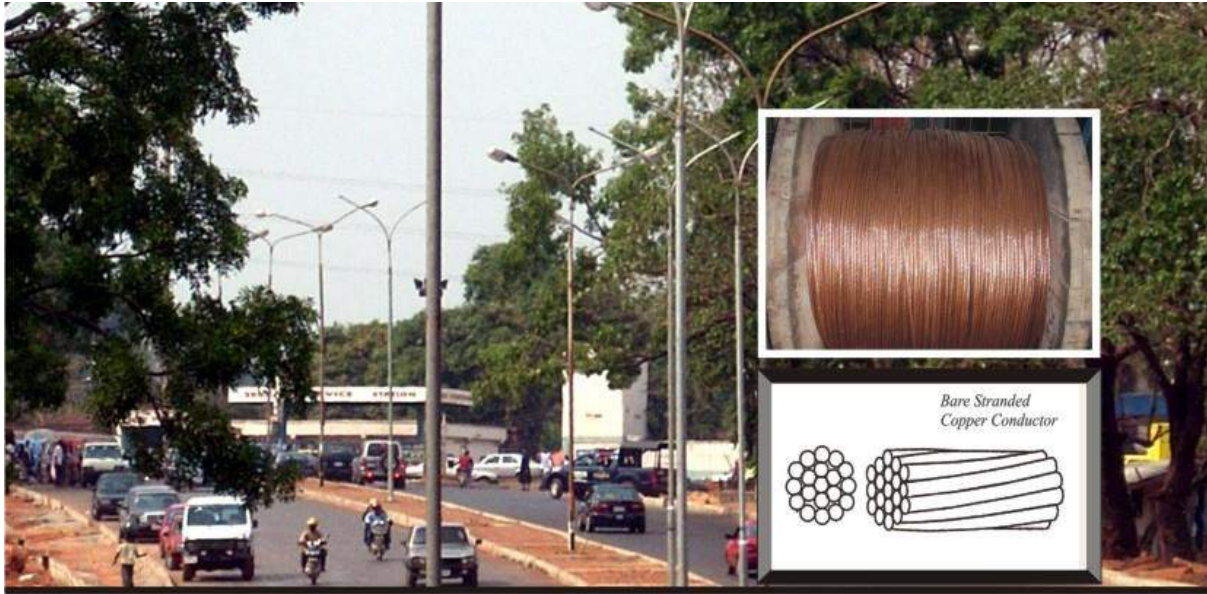
*Specification: Referenced to IEC 60228 only

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RW = Round Solid Wire (Conductor)

RS = Round Stranded Conductor



Bare Stranded Copper Conductor 0.6/1KV

Application: Earthing

Specification: NIS/IEC 60228A

Ref: NIS 159, BS 6360

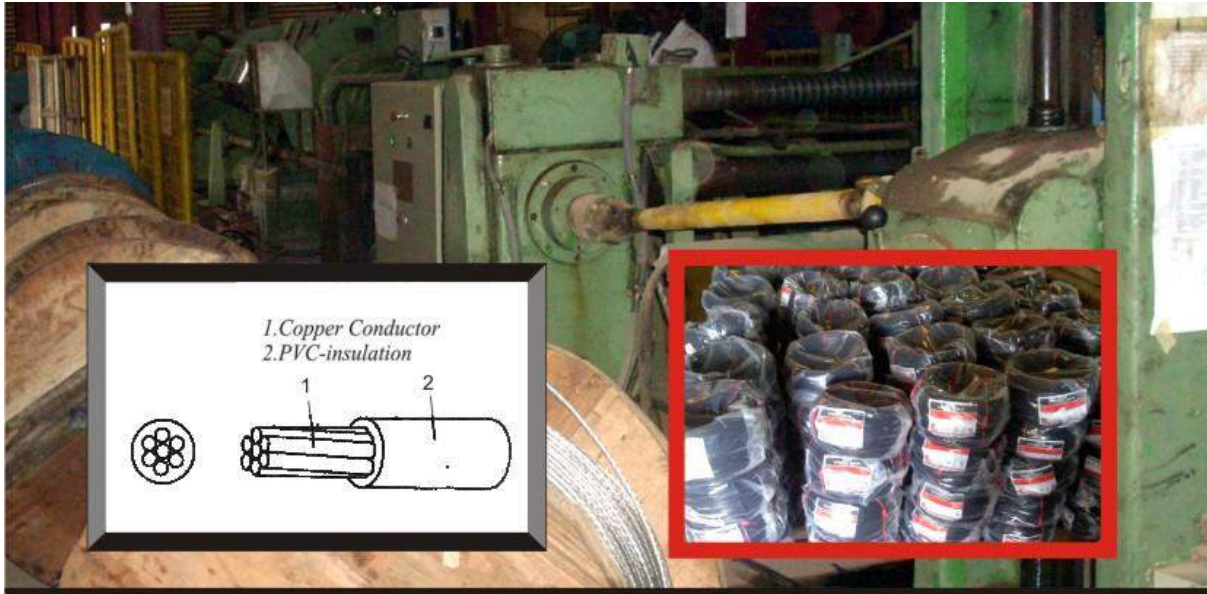
Type: BSCC

Nominal Cross sectional area	Conductor Number x diameter of wire	Radial thickness of		Nominal overall diameter	Maximum current rating A		Approx. Net weight Kg standard length	Standard delivery length	Delivery form
		insulation	sheath		In ground	In air			
mm ²	mm	mm	mm	mm			kg	m	
6RS	7 X 1.04	-	-	3.1	-	57	108	2000	R7
10RS	7 X 1.35	-	-	4.1	-	78	187	2000	R8
16RS	7 X 1.70	-	-	5.1	-	109	144	1000	R10
25RS	7 X 2.12	-	-	6.4	-	139	917	4000	R12
35RS	7 X 2.50	-	-	7.6	-	174	638	2000	R10
50RS	19 X 1.78	-	-	8.9	-	218	882	2000	R10
70RS	7 X 3.50	-	-	10.5	-	270	1222	2000	R10
70RS	19 X 2.12	-	-	10.7	-	270	1244	2000	R10
95RS	19 X 2.50	-	-	12.6	-	331	1726	2000	R12
120RS	19 X 2.85	-	-	14.3	-	383	2758	2500	R12
150RS	37 X 2.25	-	-	15.8	-	444	2686	2000	R12

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RS = Round Stranded Conductor



PVC Insulated Single-Core Copper Cables 450/750v

Application: Insulation in surface mounted or embedded conduits or trunking for household equipment and industrial machinery electric installations.

Specification: NIS/IEC 60227 - 3

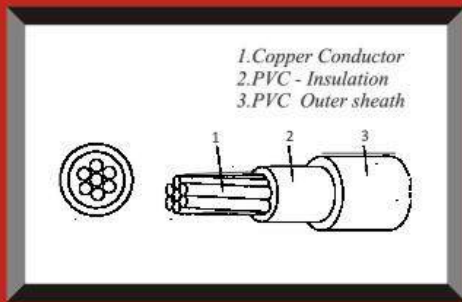
Ref: BS 6004, IEC 228

Type: NCX

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Minimum Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation	sheath		In pipe	In air			
0.5RW	1x0.80	0.6	-	2.0	5	8	9.1	1000	Coil
1.0RW	1x1.13	0.6	-	2.3	9	15	1.5	100	Coil
1.5RW	1x1.38	0.6	-	2.6	14	23	1.93	100	Coil
2.5RW	1x1.78	0.7	-	3.2	19	31	3.1	100	Coil
4RW	1x2.25	0.8	-	3.9	24	40	4.8	100	Coil
4RS	7x0.85	0.8	-	4.2	27	44	4.8	100	Coil
6RW	1x2.76	0.8	-	4.4	31	51	6.8	100	Coil
6RS	7x1.04	0.8	-	5.1	35	55	6.8	100	Coil
10RS	7x1.35	1.0	-	6.1	42	70	12.0	100	Coil
16RS	7x1.70	1.0	-	7.1	55	91	18.0	100	Coil
25RS	7x2.12	1.2	-	8.8	73	122	28.2	100	Coil
35RS	7x2.50	1.2	-	10.0	91	152	38.4	100	Coil
50RS	19x1.78	1.4	-	11.7	112	187	516	1000	R10
70RS	19x2.12	1.4	-	13.5	141	235	726	1000	R12

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
 2. Maximum current rating in ground is considered at ground temperature of 35°C.
 3. Maximum current rating in air is considered at a temperature of 40°C.
- RW = Round Solid Wire (Conductor)
RS = Round Stranded Conductor



PVC Insulated and Sheathed Single-Core Copper Cables 450/750v

Application: For fixed installation in dry or damp premises of household and industrial electric (installations).

Specification: NIS/IEC 60227 - 3

Ref: BS 6004, IEC 60227, IEC 60228

Type: NCXX

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net Weight Kg standard length kg	Standard delivery length m	Delivery form
		Insulation mm	Sheath mm		In pipe	In air			
1.5RW	1x 1.38	0.8	1.8	6.6	31	32	7.1	100	Coil
2.5RW	1x1.78	0.9	1.8	7.2	42	31	8.9	100	Coil
4RW	1x2.25	1.0	1.8	7.9	55	40	11.4	100	Coil
4RS	7x0.85	1.0	1.8	8.2	60	44	11.4	100	Coil
6RW	1x2.76	1.0	1.8	8.4	70	51	14	100	Coil
6RS	7x1.04	1.0	1.8	8.7	70	51	14.7	100	Coil
10RS	7x1.35	1.0	1.8	9.7	92	70	20.1	100	Coil
16RS	7x1.70	1.0	1.8	10.7	122	91	27.2	100	Coil
25RS	7x2.12	1.2	1.8	12.4	160	122	39.2	100	Coil
35RS	7x2.50	1.2	1.8	13.6	197	152	50.7	100	Coil
50RS	19x1.78	1.4	1.8	15.3	235	187	608	1000	R10
70RS	19x2.12	1.4	1.8	17.1	294	235	828	1000	R12

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RW = Round Solid Wire (Conductor)

RS = Round Stranded Conductor



PVC Insulated and Sheathed Flat Twin-Core Copper 300/500V

Application: For surface fixed installation in dry and damp premises.

Specification: NIS/IEC 60228 - A

Ref: BS 6004

Type: NCXX-F

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation mm	sheath mm		ground	In air			
1.0RW	2x1.13	0.6	0.9	4.4x6.8	-	12	5.4	100	Coil
1.5RW	2x1.38	0.7	0.9	4.8x7.6	-	18	6.7	100	Coil
2.5RW	2x1.78	0.8	1.0	5.6x9.0	-	25	10.0	100	Coil
4RW	2x2.25	0.8	1.0	6.1x10.1	-	33	13.6	100	Coil
4RS	2x7/0.85	0.8	1.0	6.5x10.9	-	35	14.7	100	Coil
6RW	2x2.76	0.8	1.1	6.8x11.3	-	42	18.4	100	Coil
6RS	2x7/1.04	0.8	1.1-	7.3x12.3	-	42	19.1	100	Coil

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RW = Round Solid Wire (Conductor)
RS = Round Stranded Conductor



PVC Insulated and Sheathed Flat Three-Core Copper Cables 300/500V

Application: For surface fixed installation in dry and damp premises.

Specification: NIS/IEC 60228

Ref: BS 6004

Type: NCXX-F

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation mm	sheath mm		In ground	In air			
1.0RW	3x1.13	0.6	0.9	4.4x9.4	-	13	8.3	100	Coil
1.5RW	3x1.38	0.7	0.9	4.8x10.5	-	16	9.8	100	Coil
2.5RW	3x1.78	0.8	1.0	5.6x12.5	-	22	15.5	100	Coil
4.0RW	3x2.25	0.8	1.1	6.3x14.4	-	30	19.7	100	Coil
4.0RS	3x7/0.85	0.8	1.1	6.7x15.6	-	32	21.3	100	Coil

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.

RW = Round Solid Wire (Conductor)

RS = Round Stranded Conductor



PVC Insulated and Sheathed Flat Twin-Core with Earth Copper Cables 300/500V

Application: For surface installation in dry and damp premises

Specification: NIS/IEC 60228

Ref: BS 6004

Type: NCXX-F+E

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation	sheath		In ground	In air			
		mm	mm						
1.0RW	2x1.13 +	0.6	0.9	4.4x8.2	-	12	6.8	100	Coil
1.0E	(1x1.13) E								
1.5RW	2x1.38 +	0.7	0.9	4.8x8.8	-	18	8.2	100	Coil
1.0E	(1x1.13) E								
2.5RW	2x1.78 +	0.8	1.0	5.4x10.2	-	25	12.0	100	Coil
1.5E	(1x1.38) E								
4.0RW	2x2.25 +	0.8	1.0	6.5x11.8	-	33	16.6	100	Coil
1.5E	(1x1.38) E								
4.0RS	2x7/0.85 +	0.8	1.0	6.5x11.8	-	33	16.9	100	Coil
1.5E	(1x1.38)								

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RW = Round Solid Wire (Conductor)

RS = Round Stranded Conductor



PVC Insulated and Sheathed Round Copper Flexible Twin and Three-Core 300/500V

Application: Connection of household and other electronic equipment to power supply systems

Specification: IEC 60228
Ref: BS 6500, NIS 159

Type: NCXX-RF

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net Weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation mm	sheath mm		In ground	In air			
2x1.0RS	32x0.20	0.6	0.8	6.6	-	12	7.3	100	Coil
2x1.5RS	30x0.25	0.6	0.8	7.2	-	18	9.0	100	Coil
2x2.5RS	50x0.25	0.7	1.0	9.0	-	25	14.3	100	Coil
2x4.0RS	56x0.30	0.8	1.0	11.0	-	33	21.2	100	Coil
3x0.5RS	16x0.20	0.6	0.8	6.6	-	5	6.2	100	Coil
3x1.0RS	32x0.20	0.6	0.8	7.3	-	11	7.8	100	Coil
3x1.5RS	30x0.25	0.6	0.9	8.0	-	16	10.2	100	Coil
3x2.5RS	50x0.25	0.7	1.1	9.5	-	22	15.8	100	Coil
3x4.0RS	56x0.30	0.8	1.1	11.09	-	30	26.7	100	Coil

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
 2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
 3. Maximum current rating in air is considered at a temperature of 40⁰C.
- RS = Round Stranded Conductor



PVC Insulated Flexible Core Single-Core 300/500V

Application: For fixed protected installation inside appliance and in or on lighting fittings.

Specification: IEC 60228

Ref: BS 6500, NIS 159

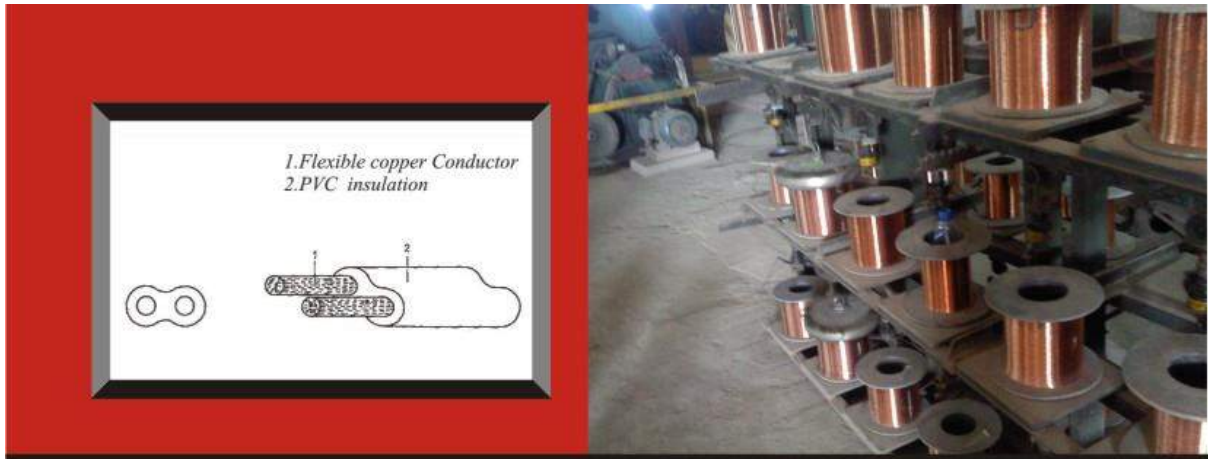
Type: NCX...F & NCXX-F

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Deliver y form
		insulation mm	sheath mm		In ground	In air			
1.0RS	32x0.20	0.6	-	2.7	-	15	1.6	100	Coil
1.5RS	30x0.25	0.7	-	3.0	-	23	2.3	100	Coil
2.5RS	50x0.25	0.8	-	3.7	-	31	3.6	100	Coil
4.0RS	56x0.30	0.8	-	4.3	-	40	5.3	100	Coil

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.

RS = Round Stranded Conductor



PVC Insulated Parallel Twin and Three-Core Copper Flexible Cords 300/500V

Application: For connecting lighting points to power supply systems.

Specification: BS 6500

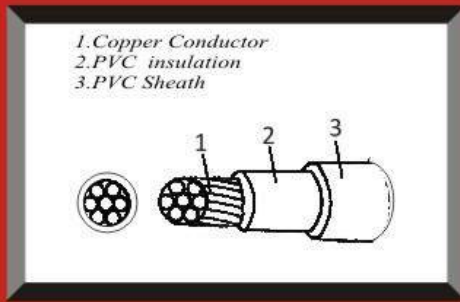
Type: NCXX-FF

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation	sheath		In ground	In air			
		mm	mm						
2x 0.5RS	16x0.20	0.8	-	2.6x5.4	-	6	2.5	100	Coil
2x1.0RS	32x0.20	0.9	-	2.9x5.8	-	12	3.8	100	Coil
2x1.5RS	30x0.25	0.8	-	3.2x6.4	-	18	4.9	100	Coil
2x2.5RS	50x0.25	0.9	-	3.9x7.8	-	25	7.8	100	Coil
2x4.0RS	56x0.3	1.0	-	4.9x9.8	-	33	11.7	100	Coil
3x 0.5RS	16x0.20	0.8	-	2.6x7.5		5	3.7	100	Coil
3x1.0RS	32x0.20	0.8	-	2.9x8.7		11	5.6	100	Coil
3x1.5RS	30x0.25	0.8	-	3.2x9.6		16	7.3	100	Coil
3x2.5RS	50x0.25	0.9	-	3.9x11.7		22	11.3	100	Coil
3x4.0RS	56x0.3	1.0	-	4.9x14.7		30	17.5	100	Coil

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.

RS = Round Stranded Conductor



PVC Insulated and Sheathed Single-core Non Armoured copper Cables 0.6/1KV

Application: For indoor installation, in cables ducts/trays in industrial plants, substations, and power utility distribution scheme.

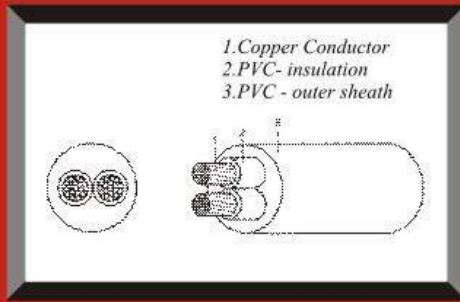
Specification: NIS/IEC 60502-1, BS 6346

Type: NCXX 1 core

Nominal Cross Sectional area	Conductor Number x diameter of wire	Radial thickness of		Nominal Overall diameter	Maximum current rating		Approx. net weight /Standard length	Stand ar delivery length	Delivery form
		Insulation	Sheath		In ground	In air			
mm ²	mm	mm	mm	mm	A	A	Kg	m	drum
50RS	19 x 1.78	1.4	1.5	14.5	195	167	742	1000	R12
70RS	19 x 2.12	1.4	1.6	15.8	238	216	775	1000	R14
95RS	19 x 2.50	1.6	1.6	18.5	286	264	1248	1000	R14
120RS	19 x 2.80	1.6	1.7	20.4	325	308	1376	1000	R14
150RS	37 x 2.25	1.8	1.7	22.1	365	356	1514	1000	R16
185RS	37 x 2.50	2.0	1.8	24.8	413	409	930	500	R14
240RS	61 x 2.25	2.2	1.9	27.9	479	485	1207	500	R16
300RS	61 x 2.50	2.4	1.9	31.0	541	561	1376	500	R16
400RS	61 x 2.85	2.6	2.1	34.2	614	656	1844	500	R18
500RS	61 x 3.20	2.8	2.1	37.7	693	750	2100	500	R18

Note;

1. Maximum permissible conductor temperature under service condition is taken at 70°C
 2. Maximum current rating in ground is considered at ground temperature of 35°C
 3. Maximum current rating in air is considered at ground temperature of 40°C
- RS = Round Stranded Conductor.



PVC Insulated and Sheathed Two-Core Non-Armoured Copper Cable 0.6/1KV

Application: For fixed installation in dry or damp premises

Specification: NIS/IEC 60502 - 1

Ref: BS 6004

Type: NCXX-2 CR

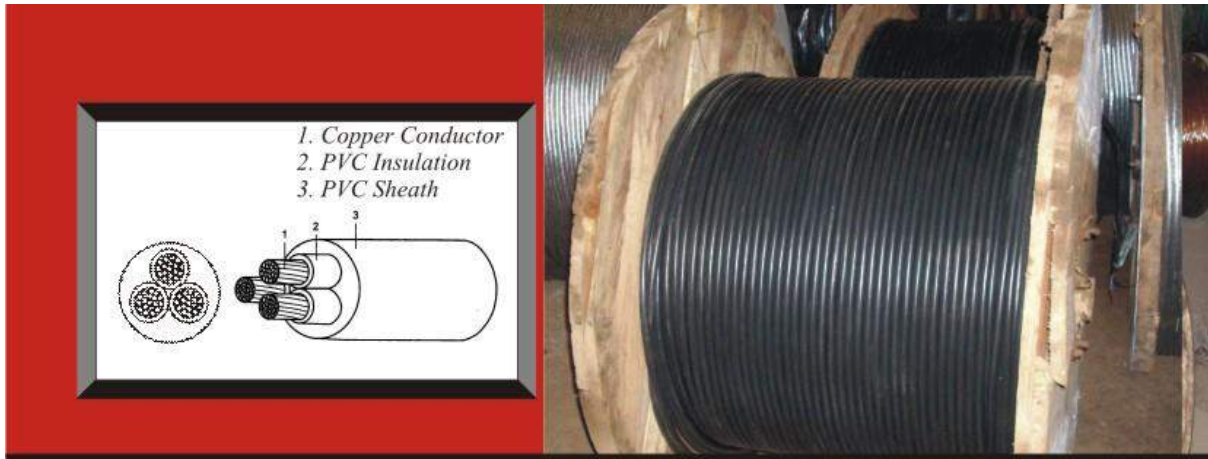
Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation mm	sheath mm		In ground	In air			
1.5RW	2x1.38	0.8	1.8	9.6	25	18	113	1000	R8
2.5RW	2x1.78	0.9	1.8	10.8	34	25	157	1000	R10
4.0RW	2x2.25	1.0	1.8	12.2	45	33	204	1000	R10
4.0RS	2x7/0.85	1.0	1.8	12.2	45	33	219	1000	R10
6.0RW	2x2.76	1.0	1.8	13.2	55	42	262	1000	R10
6.0RS	2x7/1.04	1.0	1.8	13.9	55	42	275	1000	R10
10.0RS	2x7/1.35	1.0	1.8	16.1	74	55	400	1000	R12
16.0RS	2x7/1.70	1.2	1.8	18.6	97	74	557	1000	R12
25.0RS	2x7/2.12	1.2	1.8	18.4	126	98	864	1000	R14
35.0RS	2x7/2.50	1.2	1.8	24.5	151	120	1136	1000	R16
50.0RS	2x7/3.10	1.4	1.8	26.8	176	146	1462	1000	R16
70.0RS	2x19/2.12	1.4	1.9	29.5	218	185	991	500	R16
95.0RS	2x19/2.50	1.6	2.0	33.3	265	224	1347	500	R20

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.

RW = Round Solid Wire (conductor)

RS = Round Stranded Conductor



PVC Insulated and Sheathed Three-Core Non-Armoured Copper Cable 0.6/1KV

Application: For fixed installation in dry or damp premises

Specification: NIS/IEC 60502-1

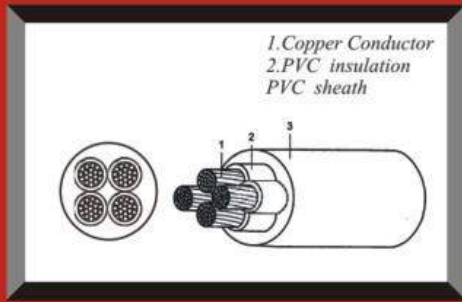
Type: NCXX-3 CR

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net Weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation	sheath		In ground	In air			
		mm	mm						
1.5RW	3x1.38	0.7	1.2	9.7	23	16	144	1000	R8
2.5RW	3x1.78	0.8	1.2	11.0	30	22	197	1000	R10
4.0RW	3x2.25	0.8	1.2	12.0	39	30	259	1000	R10
4.0RS	3x7/0.85	0.8	1.2	12.5	42	34	275	1000	R10
6.0RW	3x7/1.04	0.8	1.4	13.5	49	38	349	1000	R10
10.0RS	3x7/1.35	1.0	1.8	17.0	65	50	503	1000	R12
16.0RS	3x7/1.70	1.0	1.8	19.7	84	66	745	1000	R12
25.0RS	3x7/2.12	1.2	1.8	23.5	109	88	1117	1000	R12
35.0RS	3x7/2.50	1.2	1.8	26.2	130	109	1437	1000	R12
50.0RS	3x7/3.10	1.4	1.8	26.8	155	131	947	500	R16
70.0RS	3x19/2.12	1.4	1.9	29.5	193	167	1302	500	R16

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RW = Round Solid Wire (conductor)
RS = Round Stranded Conductor



PVC Insulated and Sheathed Four-Core Non-Armoured Copper Cable 0.6/1KV

Application: For fixed installation in dry or damp premises

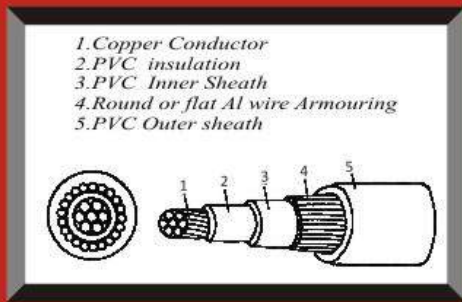
Specification: BS 6346 NIS/IEC 60502 - 1

Type: NCXX-4 CR

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating A		Approx. Net Weight Kg/ standard length kg	Standard delivery length m	Delivery form
		insulation mm	sheath mm		In ground	In air			
1.5RW	4x1.38	0.6	1.2	9.7	23	15	171	1000	R8
2.5RW	4x1.78	0.7	1.2	11.0	30	21	235	1000	R10
4.0RW	4x2.25	0.8	1.2	12.0	39	28	232	1000	R10
4.0RS	4x7/0.85	0.8	1.2	12.5	39	28	232	1000	R10
6.0RW	4x2.76	0.8	1.4	13.5	49	36	417	1000	R10
10.0RS	4x7/1.35	1.0	1.8	18.6	65	50	637	1000	R12
16.0RS	4x7/1.70	1.0	1.8	21.6	84	66	922	1000	R12
25.0RS	4x7/2.12	1.2	1.8	25.9	109	88	1397	1000	R12
35.0RS	4x7/2.50	1.2	1.8	28.9	130	109	1824	1000	R12

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
 2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
 3. Maximum current rating in air is considered at a temperature of 40⁰C.
- RW = Round Solid Wire (conductor)
RS = Round Stranded Conductor



PVC Insulated and Sheathed Single-Core Armoured Copper Cables 0.6/1KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

Specification: BS 6346 NIS/IEC 60502-1

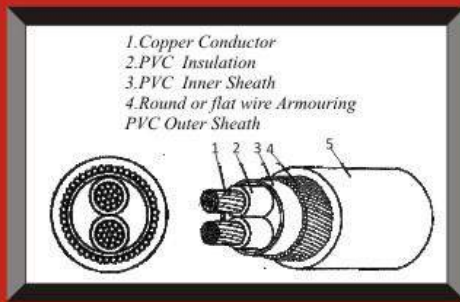
Type: NCXXR/FX 1-Core

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net Weight Kg/standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In Ground A	In Air A			
50RS	19x1.78	1.4	0.8	1.5	19.1	195	167	1024	1000	R12
70RS	19x2.12	1.4	0.8	1.6	21.1	238	216	1034	1000	R14
95RS	19x2.50	1.6	0.8	1.6	23.4	286	264	1665	1000	R14
120RS	19x2.80	1.6	1.0	1.7	26.3	325	308	1701	1000	R14
150RS	37x2.25	1.8	1.0	1.7	28.3	365	356	2018	1000	R16
185RS	37x2.50	2.0	1.0	1.8	30.8	413	409	1232	500	R14
240RS	61x2.25	2.2	1.0	1.9	34.1	479	485	1610	500	R16
300RS	61x2.50	2.4	1.0	1.9	37.0	541	561	1834	500	R16
400RS	61x2.85	2.6	1.2	2.1	42.0	614	656	2459	500	R18
500RS	61x3.20	2.8	1.2	2.1	45.6	693	749	2471	500	R18

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
2. Maximum current rating in ground is considered at ground temperature of 35°C.
3. Maximum current rating in air is considered at a temperature of 40°C.

RS = Round Stranded Conductor



PVC Insulated and Sheathed Two Core Armoured Copper Cables 0.6/1 KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

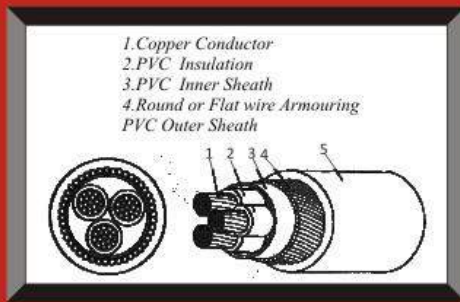
Specification: BS 6346 NIS/IEC 60502 - 1

Type: NCXXR/FX 2-Core

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net Weight Kg/standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In ground A	In air A			
1.5RW	2x1.38	0.8	0.8	1.8	13.0	25	17	316	1000	R10
2.5RW	2x1.78	0.9	0.8	1.8	14.2	34	23	391	1000	R10
4.0RW	2x2.25	1.0	0.8	1.8	16.3	45	31	560	1000	R12
6.0RW	2x2.76	1.0	0.8	1.8	17.3	55	40	650	1000	R12
10RS	2x7/1.35	1.0	0.8	1.8	19.9	74	55	881	1000	R12
16RS	2x7/1.70	1.0	0.8	1.8	22.2	97	74	1155	1000	R14
25RS	2x7/2.14	1.2	1.0	2.0	25.2	126	98	1639	1000	R14
35RS	2x7/2.50	1.2	1.0	2.0	27.6	151	120	1843	1000	R16
50RS	2x19/1.78	1.4	1.0	1.9	30.8	211	180	1163	500	R14
70RS	2x19/2.12	1.4	1.0	1.9	35.2	261	232	1542	500	R16
95RS	2x19/2.50	1.6	1.2	2.1	40	309	282	2034	500	R18
120RS	2x37/2.03	1.6	1.2	2.2	41.6	351	328	2435	500	R18
150RS	2x37/2.25	1.8	1.2	2.3	48.2	397	379	2951	500	R20

Note:

- 1 Maximum permissible conductor temperature under service condition is taken at 70°C.
 - 2 Maximum current rating in ground is considered at ground temperature of 35°C.
 - 3 Maximum current rating in air is considered at a temperature of 40°C.
- RW = Round Solid Wire (conductor)
RS = Round Stranded Conductor



PVC Insulated and Sheathed Three-core Armoured Copper Cables 0.6/1 KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

Specification: BS 6346, NIS/IEC 60502-1

Type: NCXXR/FX 3-Core

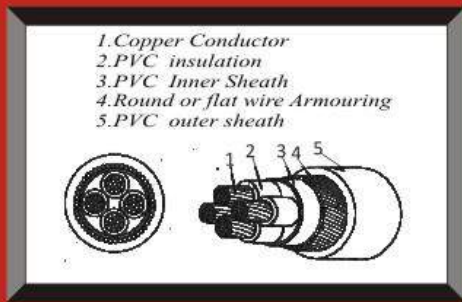
Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In ground A	In air A			
1.5RW	3x1.38	0.6	0.8	1.4	13.5	23	15	340	1000	R10
2.5RW	3x1.78	0.7	0.8	1.4	14.8	30	21	418	1000	R10
4.0RW	3x2.25	0.8	0.8	1.4	17.0	39	28	599	1000	R12
6.0RW	3x2.76	0.8	0.8	1.5	18.0	49	36	703	1000	R12
10RS	3x7/1.35	1.0	0.8	1.6	21.1	65	50	1004	1000	R12
16RS	3x7/1.70	1.0	0.8	1.6	24.1	84	66	1348	1000	R14
25RS	3x7/2.12	1.2	1.0	1.7	26.6	109	88	1677	1000	R14
35RS	3x7/2.50	1.2	1.0	1.8	29.2	130	109	2110	1000	R16
50RS	3x19/1.78	1.4	1.0	1.9	30.5	174	153	2249	1000	R16
70RS	3x19/2.12	1.4	1.2	2.0	35.0	216	196	1467	500	R14
95RS	3x19/2.50	1.6	1.2	2.0	39.3	256	238	1971	500	R16

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RW = Round Solid Conductor

RS = Round Stranded Conductor



PVC Insulated and Sheathed Four-core Armoured Copper Mains Cables 0.6/1 KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

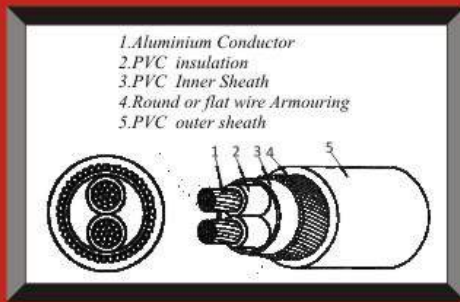
Specification: BS 6346, NIS/IEC 60502-1

Type: NCXXR/FX 4-Core

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net weight Kg/ standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In ground	In air			
						A	A			
1.5RW	4x1.38	0.6	0.8	1.4	13.5	26	18.5	399	1000	R10
2.5RW	4x1.78	0.7	0.8	1.4	14.5	34	25	549	1000	R12
4.0RW	4x2.25	0.8	0.8	1.4	17.8	44	34	710	1000	R12
6.0RW	4x2.76	0.8	0.8	1.5	19.2	56	43	837	1000	R12
10RS	4x7/1.35	1.0	0.8	1.6	22.8	74	60	1211	1000	R14
16RS	4x7/1.70	1.0	1.0	1.7	26.3	96	80	1430	1000	R14
25RS	4x7/2.12	1.2	1.0	1.8	30.7	123	101	1992	1000	R16
35RS	4x7/2.50	1.2	1.0	1.9	33.9	147	126	2243	1000	R16

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70°C.
 2. Maximum current rating in ground is considered at ground temperature of 35°C.
 3. Maximum current rating in air is considered at a temperature of 40°C.
- RW = Round Solid Wire (conductor)
RS = Round Stranded Conductor



PVC Insulated and Sheathed Two-core Armoured Aluminium Cables 0.6/1 KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

Specification: BS 6346, NIS/IEC 60502-1

Type: NAXXR/FX 2-Core

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net weight/standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In ground Amp	In air Amp			
16RS	2x7/1.70	1.0	0.8	1.6	20.7	89	73	846	1000	R14
25RS	2x7/2.12	1.2	1.0	1.7	25.0	114	89	915	1000	R14
35RS	2x7/2.50	1.2	1.0	1.8	27.2	137	111	1094	1000	R16
50RS	2x19/1.78	1.4	1.0	1.9	30.5	161	135	668	500	R14
70RS	2x19/2.12	1.4	1.2	1.9	32.7	200	173	848	500	R16
95RS	4x19/2.50	1.6	1.2	2.1	37.4	237	210	1069	500	R18

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
 2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
 3. Maximum current rating in air is considered at a temperature of 40⁰C.
- RS = Round Stranded Conductor



PVC Insulated and Sheathed Three-Core Armoured Aluminium Mains Cables 0.6/1 KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

Specification: BS 6346, NIS/IEC 60502-1

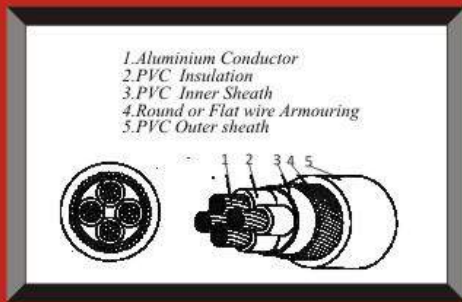
Type: NAXXR/FX3-Core

Nominal Cross sectional Area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net weight/standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In ground	In air			
						Amp	Amp			
16RS	3x7/1.70	1.0	0.8	1.6	21.8	74	61	913	1000	R14
25RS	3x7/2.12	1.2	1.0	1.7	26.4	94	78	1003	1000	R14
35RS	3x7/2.50	1.2	1.0	1.8	28.7	114	96	1226	1000	R14
50RS	3x19/1.78	1.4	1.0	1.9	31.9	134	117	1317	1000	R16
70RS	3x19/2.12	1.4	1.2	2.0	36.0	167	150	803	500	R14

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
3. Maximum current rating in air is considered at a temperature of 40⁰C.

RS = Round Stranded Conductor



PVC Insulated and Sheathed Four-Core Armoured Aluminium Mains Cables 0.6/1 KV

Application: For indoor installations, in cable ducts/trays, and underground in industrial plants, substations, and power utility distribution schemes with additional protection where mechanical damage may be expected.

Specification: BS 6346, NIS/IEC 60502-1

Type: NAXXR/FX 4-Core

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of			Nominal overall diameter mm	Maximum current rating		Approx. Net weight/standard length kg	Standard delivery length m	Delivery form drum
		Insulation mm	Inner sheath mm	Outer sheath mm		In ground Amp	In air Amp			
16RS	4x7/1.70	1.0	1.0	1.7	24.8	74	61	601	1000	R14
25RS	4x7/2.12	1.2	1.0	1.8	28.7	94	78	888	1000	R16
35RS	4x7/2.50	1.2	1.0	1.9	31.3	114	96	1285	1000	R16

Note:

1. Maximum permissible conductor temperature under service condition is taken at 70⁰C.
 2. Maximum current rating in ground is considered at ground temperature of 35⁰C.
 3. Maximum current rating in air is considered at a temperature of 40⁰C.
- RS = Round Stranded Conductor



Automotive Wire & Cable 1,000/15,000V

Application: For use in motor vehicles

Type: NCX/NCXX A/C

Specification: NIS 246 or 247

Ref: BS 6862

Nominal Cross sectional area mm ²	Conductor Number x diameter of wire mm	Radial thickness of		Nominal overall diameter mm	Maximum current rating		Approx. Net weight/standard length kg	Standard delivery length m	Delivery form
		Insulation mm	sheath mm		In ground	In air			
0.5	16x0.2	0.6	-	2.3	2.3	-	0.4	30	Coil
1.0	14x0.3	0.6	-	2.8	2.7	-	0.5	30	Coil
2.0	28x0.3	0.6	-	3.6	3.4	-	1.0	30	Coil
0.95	19x0.25	1.35	1.35	22	7.0	-	1.9	30	Coil
21.0	161x0.41	0.65	-	80	9.2	-	25.0	100	Coil

Application - Insulated wires suitable for automotive, marine and agriculture applications. Wires have PVC insulation resistant to petrol, lubricating oils and dilute acids.

CUTIX PLC

PRODUCTION FLOW CHART

