



INSULATED STRANDED & FLEXIBLE WIRES AND POWER CABLES

الشركة الذهبية الأردنية لصناعة الكابلات
JORDANIAN GOLDEN CO. FOR CABLE INDUSTRY





About Us

Jordanian golden co. for cable industry is a private sector jordanian iraqi partnership company with usd 5000,000.00 paid up capital located near zarqa free zone about 50 km away from amman.

The plant is 6000 m² built over 11000 m² of land. established in 2011

gcci is managed by professionals with wide range of experience in cable industry.

Commitment

We at **gcci** committed to supply our valued customer with high quality products to achieve the utmost customer satisfaction.

Product Range

Our current range of product consists of domestic wires and low voltage unarmoured cable.

Aim

Our aim is to meet our customer needs locally and in neighbouring countries in domestic wires and low voltage cables within next coming years through our serious work, good quality and competitive prices and making sure that our product will meet their satisfaction.



Domestic Wires

This catalogue provides technical information on our domestic wires and copper low voltage power cable.

PVC coated wire is manufactured with quality copper conductor.

PVC is the most popular material for coating wires, as it has excellent characteristics, resilient, and possesses good insulating properties.

Building wire is used in service entrance, feeders and branch circuits applications for permanent installations at residential, commercial, industrial or public constructions designed as per IEC, BS, VDE, standards as applicable.

The following configurations are available in this catalogue:

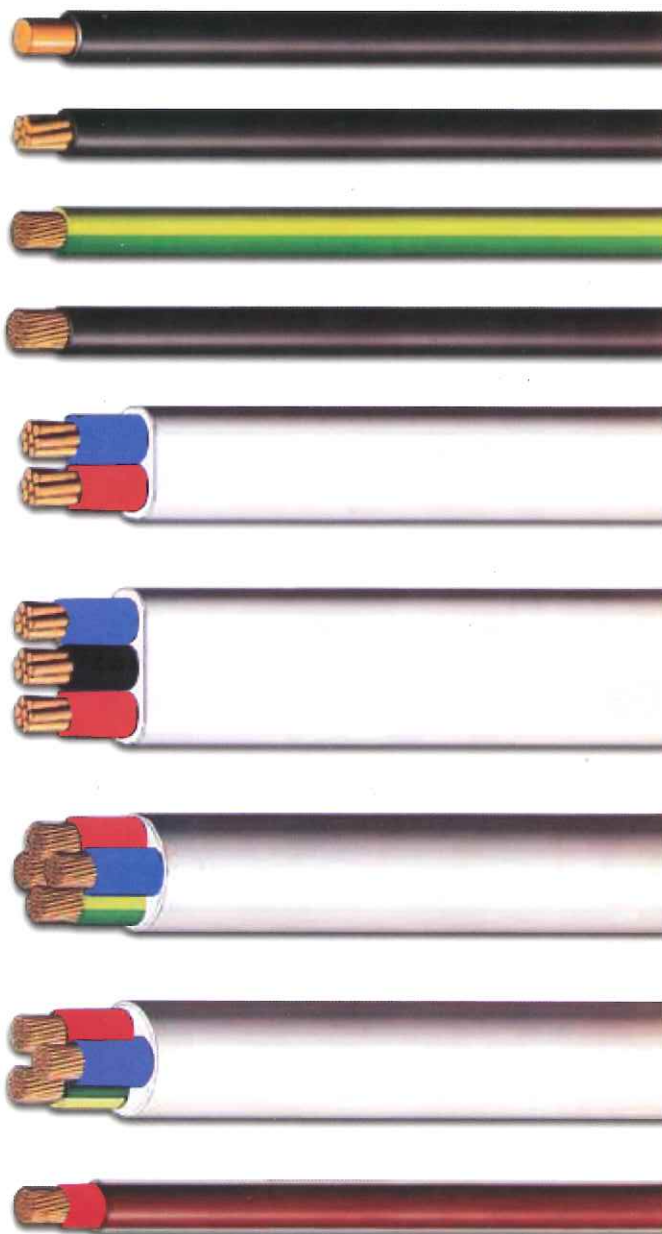
- 1- PVC insulated wires (solid stranded and flexible).
- 2- Flat cables .
- 3- Flexible cables (single or multicore).
- 4- PVC insulated & PVC sheathed power cables.

Important notice

- 1- Jordanain golden cables reserves the right to alter the data given in this catalogue based on the international standard updating.

2- The latest applicable standards and their amendments are used.

3- **ggci** can provide color code as per customer requirements.



Color Code For Domestic Wires

	Color Code	
	R	Red
	Y	Yellow
	B	Blue
	G	Green
	K	Black
	D	Grey
	P	Pink
	V	Violet
	T	Turquoise
	E	Orange
	W	White
	N	Brown
	C	Green/Yellow

Replace **X** With Color Code

Example: **U1T2 - 10600R - 20000X - 4**

300/500 Volts - Copper Conductor PVC Insulated

Standard : BS 6004

Rated Voltage : 300/500V

Harmonized Code:

Solid conductor HO5V-U

Stranded conductor HO5V-R

Flexible conductor HO5V-K.

Conductor: Class 1 solid copper, class 2 stranded copper or class 5 flexible copper as per IEC 60228, BS EN 60228.

Insulation: PVC insulation type T11 as per BS EN 50363, PVC as per IEC 60227 temperature rating 70 °C.

(PVC 90 °C or 105 °C available on request).

Applications: Fixed protected installation inside the appliances and in or on light fittings.



Type Of Conductor	Order No.	Item Code No.	Nominal Area	Insulation Thickness	Approx Overall Diameter*	Approx Weight**	Standard Length	Standard Packing
			mm ²	mm	mm	Kg/Km	mtr.	
Flexible	T007	U1T2-10400F-20000x-4	0.5	0.6	2.1	10.0	91.4	coil
	T008	U1T2-10500F-20000x-4	0.75	0.6	2.3	12.0	91.4	coil
	T009	U1T2-10600F-20000x-4	1.0	0.6	2.5	14.0	91.4	coil

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Features:

- . Small diameter saves space.
- . Excellent electric characteristics and mechanical strength.

450/750 Volts - Copper Conductor PVC Insulated

Standard : BS 6004,
IEC 60227

Rated Voltage : 450/750V

Harmonized Code:

Solid conductor HO7V-U
Stranded conductor HO7V-R

Conductor: Class 1 solid copper, class 2 stranded copper as per IEC 60228, BS EN 60228.

Insulation: PVC Insulation type TI1 as per BS EN 50363, PVC as per IEC 60227 temperature rating 70 °C. (PVC 90°C or 105 °C available on request).

Applications: fixed installation in dry or damp premises. Suitable in walls or boards And in channel or embadded in plaster.

Type Of Conductor	Order No.	Item Code No.	Nominal Area	Insulation Thickness	Approx Overall Diameter*	Approx Weight**	Standard Length	Standard Packing
			mm ²	mm	mm	Kg/Km	mtr.	
Stranded	W006	U1W2-10800R-20000x-4	1.5	0.7	3.0	21.0	91.4	coil
	W007	U1W2-11000R-20000x-4	2.5	0.8	3.6	34.0	91.4	coil
	W008	U1W2-11200R-20000x-4	4	0.8	4.2	48.0	91.4	coil
	W009	U1W2-11300R-20000x-4	6	0.8	4.7	68.0	91.4	coil
	W010	U1W2-11400R-20000x-4	10	1.0	6.1	112.0	91.4	coil
	W011	U1W2-11500R-20000x-4	16	1.0	7.1	169.0	91.4	coil
	W012	U1W2-11600R-20000x-4	25	1.2	8.6	260.0	91.4	coil

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Features:

- . Small diameter saves space.
- . Excellent electric characteristics and mechanical strength.

450/750 Volts - Copper Conductor PVC Insulated

Standard : BS 6004, IEC 60227

Rated Voltage : 450/750V

Harmonized Code:

Flexible conductor HO7V-K

Conductor: Class 5 flexible copper as per IEC 60228, BS EN 60228.

Insulation: PVC insulation type TI1 as per BS EN 50363, PVC as per IEC 60227 temperature rating 70 °C. PVC 90 °C or 105 °C available on request.



Applications: Suitable for use in channels with cover and for fixed protected installation in or on light fittings and inside appliances, switchgear and controlgear for voltages up to 1000V a.c. or up to 750V d.c. to earth.

Order No.	Item Code No.	Nominal Area	Insulation Thickness	Approx Overall Diameter*	Approx Weight**	Standard Length	Standard Packing
		mm ²	mm	mm	Kg/Km	mtr.	
W025	U1W2-10800F-20000x-4	1.5	0.7	3.0	21.0	91.4	Coil
W026	U1W2-11000F-20000x-4	2.5	0.8	3.5	32.0	91.4	Coil
W027	U1W2-11200F-20000x-4	4	0.8	4.1	48.0	91.4	Coil
W028	U1W2-11300F-20000x-4	6	0.8	4.7	68.0	91.4	Coil
W029	U1W2-11400F-20000x-4	10	1.0	5.9	115.0	91.4	Coil
W030	U1W2-11500F-20000x-4	16	1.0	6.9	167.0	91.4	Coil
W031	U1W2-11600F-20000x-4	25	1.2	8.9	255.0	91.4	Coil
W032	U1W2-11700F-20000x-4	35	1.2	10.4	360.0	91.4	Coil
W033	U1W2-11800F-20000x-4	50	1.4	12.0	495.0	1000	Drum
W034	U1W2-11900F-20000x-4	70	1.4	13.8	685.0	1000	Drum

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Features:

extra-slide properties and excellent flexibility.

For required color replace the character (x) with the color code mentioned in page 4 .

220/380 Volts - PVC Insulated PVC Sheathed Flat Cables

Standard : BS 6004

Rated Voltage : 220/380V

Conductor: Class 1 solid copper, class 2 stranded copper as per IEC 60228, BS EN 60228.

Insulation: PVC Insulation type TI1 as per BS EN 50363.

Sheath: PVC type 6 as per BS EN 50363 (PVC rated 90°C or 105 °C available upon request).



Applications: Fixed installation in dry or damp premises Suitable for installation in walls, on boards and in channels or embedded in plaster.

Order No.	Item Code No.	Nominal Area	Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Dimensions*	Approx Weight**	Standard Lenth	Standard Packing
		No x mm ²	mm	mm	mm	Kg/Km	mtr.	
T010	U1T2-20600R-20002D-4	2 x 1.0	0.6	0.9	4.4 x 7.8	53.0	91.4	Coil
T011	U1T2-20800R-20002D-4	2 x 1.5	0.7	0.9	4.8 x 7.8	70.0	91.4	Coil
T012	U1T2-21000R-20002D-4	2 x 2.5	0.8	1.0	5.6 x 9.2	104.0	91.4	Coil
T013	U1T2-21200R-20002D-4	2 x 4.0	0.8	1.0	6.2 x 10.3	140.0	91.4	Coil
T016	U1T2-30600R-20002D-4	3 x 1.0	0.6	0.9	4.4 x 9.4	76.0	91.4	Coil
T017	U1T2-30800R-20002D-4	3 x 1.5	0.7	0.9	4.8 x 10.8	102.0	91.4	Coil
T018	U1T2-31000R-20002D-4	3 x 2.5	0.8	1.0	5.6 x 12.8	149.0	91.4	Coil

Note: Items T010 and T016 are not covered by BS 6004; however, **ggc** produces them as per this standard.

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Features . Small diameter saves space.

. Flat shape saves places.

Core identification :

. Two cores : Red, Black

. Three cores : Red, Black , Blue

300/300 Volts Light & 300/500 Volts Ordinary PVC Insulated PVC Sheathed Flexible Cables

Standard : BS 6500

Rated Voltage :

Light PVC 300/300V

Ordinary PVC 300/500V

Harmonized Code :

Light PVC HO3W-F

Ordinary PVC HO5W-F

Conductor: Class 5 flexible copper as per IEC 60228, BS EN 60228.

Insulation: PVC insulation type TI2 as per BS EN 50363.
temperature rating 70 °C

Sheath: PVC type TM2 as per BS EN 50363
temperature rating 70 °C.
(PVC rated 90 °C or 105 °C available upon request).

Applications: These cables are used in mobile electrical equipment and units, supply pumps and motors, etc., in which cables with high flexibility are required.



300/300 Volts Light & 300/500 Volts Ordinary PVC Insulated PVC Sheathed Flexible Cables

Type Of Conductor	Order No.	Item Code No.	Nominal Area mm ²	Insulation Thickness mm	Nominal Sheath Thickness mm	Approx Overall Diameter*	Approx Weight** Kg/Km	Standard Length mtr.	Standard Packing
Light	F001	U1F2-20400F-20002W-4	2x0.50	0.6	0.8	6.0	38.0	91.4	coil
	F002	U1F2-20500F-20002W-4	2x0.75	0.6	0.8	6.3	45.0	91.4	coil
	F003	U1F2-30400F-20002W-4	3x0.50	0.6	0.8	6.3	45.0	91.4	coil
	F004	U1F2-40500F-20002W-4	3x0.75	0.6	0.8	6.7	55.0	91.4	coil
	F005	U1F2-40400F-20002W-4	4x0.50	0.6	0.8	6.8	55.0	91.4	coil
	F006	U1F2-40500F-20002W-4	4x0.75	0.6	0.8	7.3	65.0	91.4	coil
Ordinary	F007	U1F2-20600F-20002W-4	2x1.0	0.6	0.8	6.6	64.7	91.4	coil
	F008	U1F2-20800F-20002W-4	2x1.5	0.7	0.8	7.55	87.0	91.4	coil
	F009	U1F2-21000F-20002W-4	2x2.5	0.8	1.0	9.2	133.0	91.4	coil
	F010	U1F2-21200F-20002W-4	2x4.0	0.8	1.1	10.5	188.0	91.4	coil
	F011	U1F2-21300F-20002W-4	2x6.0	0.8	1.1	11.85	246.0	91.4	coil
	F012	U1F2-21400F-20002W-4	2x10.0	1	1.2	14.60	384.5	91.4	coil
	F013	U1F2-21500F-20002W-4	2x16.0	1	1.3	17.0	525.0	91.4	coil
	F014	U1F2-21600F-20002W-4	2x25.0	1.2	1.8	21.30	755.1	91.4	coil
	F015	U1F2-30600F-20002W-4	3x1.0	0.6	0.8	7.0	77.0	91.4	coil
	F016	U1F2-30800F-20002W-4	3x1.5	0.7	0.9	8.2	111.0	91.4	coil
	F017	U1F2-31000F-20002W-4	3x2.5	0.8	1.0	9.8	161.0	91.4	coil
	F018	U1F2-31200F-20002W-4	3x4.0	0.8	1.1	11.2	232.0	91.4	coil
	F019	U1F2-31300F-20002W-4	3x6.0	0.8	1.1	12.6	322.0	91.4	coil
	F020	U1F2-31400F-20002W-4	3x10.0	1	1.2	15.60	510.8	91.4	coil
	F021	U1F2-31500F-20002W-4	3x16.0	1	1.3	18.20	710.2	91.4	coil
	F022	U1F2-31600F-20002W-4	3x25.0	1.2	1.8	22.75	1037.6	91.4	coil
	F023	U1F2-40600F-20002W-4	4x1.0	0.6	0.8	7.75	95.8	91.4	coil
	F024	U1F2-40800F-20002W-4	4x1.5	0.7	1.0	9.3	141.0	91.4	coil
	F025	U1F2-41000F-20002W-4	4x2.5	0.8	1.1	11.10	206.0	91.4	coil
	F026	U1F2-41200F-20002W-4	4x4.0	0.8	1.1	12.5	300.0	91.4	coil
	F027	U1F2-41300F-20002W-4	4x6.0	0.8	1.1	14.0	405.0	91.4	coil
	F028	U1F2-41400F-20002W-4	4x10.0	1	1.2	17.45	640.8	91.4	coil
	F029	U1F2-41500F-20002W-4	4x16.0	1	1.3	20.45	899.9	91.4	coil
	F030	U1F2-41600F-20002W-4	4x25.0	1.2	1.8	25.40	1325.6	91.4	coil
	F031	U1F2-50600F-20002W-4	5x1.0	0.6	0.9	8.6	115.0	91.4	coil
	F032	U1F2-50700F-20002W-4	5x1.5	0.7	1.1	10.2	170.0	91.4	coil
	F033	U1F2-50800F-20002W-4	5x2.5	0.8	1.2	12.2	245.0	91.4	coil
	F034	U1F2-51900F-20002W-4	5x4.0	0.8	1.4	14.05	355.0	91.4	coil
	F035	U1F2-51000F-20002W-4	5x6.0	0.8	1.4	15.8	475.0	91.4	coil
	F036	U1F2-51100F-20002W-4	5x10.0	1	1.4	19.4	800.4	91.4	coil
	F037	U1F2-51200F-20002W-4	5x16.0	1	1.4	22.35	1130.5	91.4	coil
	F038	U1F2-51300F-20002W-4	5x25.0	1.2	1.8	27.60	1676.5	91.4	coil

*The approx. overall diameter is subject to a tolerance of (-2/+8)%o/o.

**The approx. weight is subject to a tolerance of (+ 5)%o/o.

. Produced as per BS 6004.

Features . Small diameter saves space.

. Excellent electric characteristics and mechanical strength.

Color Code:

* Two-cores: Blue, Brown

* Three-cores: Green/ yellow, Brown, Blue

* Four-cores: Green/ yellow, Brown, Black, Blue

* Five-cores: Green/ yellow, Brown, Blue, Black, Grey

PVC Insulated, PVC Sheathed Unarmoured Cables CU / PVC / PVC Two Core

Standard : IEC 60502-1

Rated Voltage : 0.6/1KV

Conductor: Class 1 solid (up to 6 mm² upon request) copper or class 2 stranded copper as per IEC 60228, Bs EN 60228.

Shape of Conductor:

25 mm² and below, conductor shall be circular stranded non-compacted.

Insulation: PVC insulation type A as per IEC 60502-1 or type TI1 as per BS EN 50363 temperature rating 70 °C.
(PVC 90 °C is available on request).



Outer Sheath:

PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363

Applications:

For outdoor and installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants and energy distribution.

Order No.	Item Code No.	Nominal Area	Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Approx. Overall Diameter*	Approx. Cable Weight**	Standard Length
		No. x mm ²	mm	mm	mm	Kg/Km	(mtr. ± 5%)
L016	U1L1-20800R-20002K-S	2 x 1.5	0.8	1.8	10	150	1000
L017	U1L1-21000R-20002K-S	2 x 2.5	0.8	1.8	11	190	1000
L018	U1L1-21200R-20002K-S	2 x 4.0	1.0	1.8	13	260	1000
L019	U1L1-21300R-20002K-S	2 x 6.0	1.0	1.8	14	330	1000
L020	U1L1-21400R-20002K-S	2 x 10	1.0	1.8	18	575	1000
L021	U1L1-21500R-20002K-S	2 x 16	1.0	1.8	20	760	1000
L022	U1L1-21600C-20202K-S	2 x 25	1.2	1.8	23	975	1000

*The approx. Overall Diameter is Subject to a tolerance of (-2/+8)0/0.

**The approx. weight is subject to a tolerance of (+ 5)0/0.

Core identification: Red, Black.

Sheathing color code: Black.

Other colors are available upon request.

PVC Insulated, PVC Sheathed Unarmoured Cables CU / PVC / PVC Three Core

Standard : IEC 60502-1

Rated Voltage : 0.6 / 1 KV

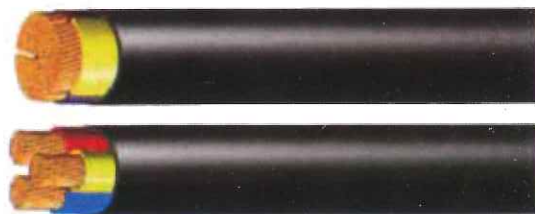
Conductor: Class 1 solid (up to 6 mm² up on request) copper or class 2 stranded copper as per IEC 60228, BS EN 60228.

Shape Of Conductor: 25 mm² and below, conductor shall be circular stranded non-compacted.

Insulation: PVC insulation type A as per IEC 60502-1 or type TI1 as per BS EN 50363 temperature rating 70 °C.
(PVC 90°C is available on request).

Outer Sheath: PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363.

Applications: For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants and energy distribution



Order No.	Item Code No.	Nominal Area	Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Approx Overall Diameter*	Approx Cable Weight**	Standard Length
		No. x mm ²	mm	mm	Kg/Km	mtr.	
L032	U1L1-30800R - 20002K-S	3 x 1.5	0.8	1.8	11	175	1000
L033	U1L1-31000R - 20002K-S	3 x 2.5	0.8	1.8	12	225	1000
L034	U1L1-31200R - 20002K-S	3 x 4.0	1.0	1.8	14	315	1000
L035	U1L1-31300R - 20002K-S	3 x 6.0	1.0	1.8	15	400	1000
L036	U1L1-31400R - 20R02K-S	3 x 10	1.0	1.8	19	675	1000
L037	U1L1-31500R - 20R02K-S	3 x 16	1.0	1.8	20	925	1000
L038	U1L1-31600R - 20002K-S	3 x 25	1.2	1.8	20	975	1000

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Core identification: Red, Yellow, Blue .

Sheathing color code: Black.

Other colors are available upon request.

PVC Insulated, PVC Sheathed Unarmoured Cables CU / PVC / PVC Four Core With Reduced Neutral

Standard : IEC 60502-1

Rated Voltage : 0.6/1KV



Conductor: Class 2 stranded copper as per IEC 60228, BS EN 60228.

Shape Of Conductor:

25 mm² and below, conductor shall be circular stranded non-compacted.

Insulation: PVC insulation type A as per IEC 60502-1 or type TI1 as per BS EN 50363 temperature rating 70 °C.
(PVC 90 °C is available on request).

Outer Sheath:

PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363

Applications:

For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants and energy distribution.

Order No.	Item Code No.	Nominal Area	Nominal Insulation Thickness (mm)		Nominal Outer Sheath Thickness	Approx Overall Diameter*	Approx Cable Weight**	Standard Length
		No.x mm ²	Ph.	Ne.	mm	mm	Kg/Km	
L048	U1L1-41413R-20R02K-S	3 x 10 + 6	1.0	1.0	1.8	20	775	1000
L049	U1L1-41514R-20R02K-S	3 x 16 + 10	1.0	1.0	1.8	22	1050	1000
L050	U1L1-41615S-20002K-S	3 x 25 + 16	1.2	1.0	1.8	24	1275	1000

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of (+ 5)%.

Core identification: Red, Yellow, Blue, Black.
Sheathing color code: Black.

Other colors are available upon request.

. Ph.: Phase condutor.

. Ne.: Neutral condutor.

PVC Insulated, PVC Sheathed Unarmoured Cables CU / PVC / PVC Four Core

Standard : IEC 60502-1

Rated Voltage : 0.6/1KV

Conductor: Class 1 solid (up to 6 mm² upon request) copper or class 2 stranded copper as per IEC 60228, BS EN 60228.

Shape Of Conductor:

25 mm² and below, conductor shall be circular stranded non-compacted.

Outer Sheath:

PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363.

Insulation: PVC insulation type A as per IEC 60502-1 or type TI1 as per BS EN 50363 temperature rating 70 °C.

(PVC 90 °C is available on request).

Applications:

For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants and energy distribution.

Order No.	Item Code No.	Nominal Area	Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Approx Overall Diameter*	Approx Cable Weight**	Standard Length
		No. x mm ²	mm	mm	mm	Kg/Km	mtr. ±5%
L060	U1L1-40800R-20002K-S	4 x 1.5	0.8	1.8	12	210	1000
L061	U1L1-41000R-20002K-S	4 x 2.5	0.8	1.8	13	275	1000
L062	U1L1-41200R-20002K-S	4 x 4.0	1.0	1.8	15	400	1000
L063	U1L1-41300R-20002K-S	4 x 6.0	1.0	1.8	16	500	1000
L064	U1L1-41400R-20R02K-S	4 x 10	1.0	1.8	21	825	1000
L065	U1L1-41500R-20R02K-S	4 x 16	1.0	1.8	23	1150	1000
L066	U1L1-41600S-20002K-S	4 x 25	1.2	1.8	23	1275	1000

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Core identification: Red, Yellow, Blue, Black.

Sheathing color code: Black.

Other colors are available upon request.

PVC Insulated, PVC Sheathed Unarmoured Cables CU / PVC / PVC Five Core

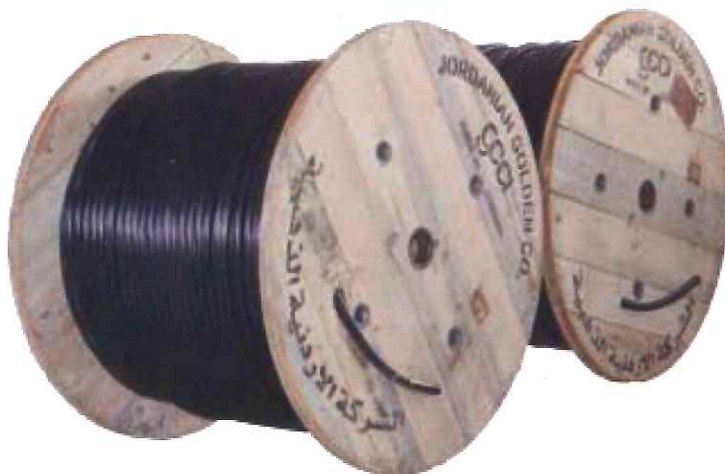
Standard : IEC 60502-1

Rated Voltage : 0.6 / 1 KV

Conductor: Class 1 solid (up to 6 mm² up on request) copper or class 2 stranded copper as per IEC 60228, BS EN 60228.

Shape Of Conductor: 25 mm² and below, conductor shall be circular stranded non - compacted.

Insulation: PVC insulation type A as per IEC 60502-1 or type TI1 as per BS EN 50363 temperature rating 70 °C. (PVC 90°C is available on request).



Outer Sheath: PVC outer sheath type ST1 as per IEC 60502-1 or type TM1 as per BS EN 50363.

Applications: For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants and energy distribution.

Order No.	Item Code No.	Nominal Area	Nominal Insulation Thickness	Nominal Outer Sheath Thickness	Approx Overall Diameter*	Approx Cable Weight**	Standard Length
		No.x mm ²	mm	mm	Kg/Km	mtr.	mtr.±5%
	U1L1-50800R - 20002K-S	5 x 1.5	0.8	1.8	13	250	1000
	U1L1-51000R - 20002K-S	5 x 2.5	0.8	1.8	14	325	1000
	U1L1-51200R - 20002K-S	5 x 4.0	1.0	1.8	16	475	1000
	U1L1-51300R - 20002K-S	5 x 6.0	1.0	1.8	18	615	1000
	U1L1-51400R - 20R02K-S	5 x 10	1.0	1.8	22	1020	1000
	U1L1-51500R - 20R02K-S	5 x 16	1.0	1.8	25	1400	1000
	U1L1-51500R - 20202K-S	5 x 25	1.2	1.8	29	1900	500

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.

**The approx. weight is subject to a tolerance of + 5%.

Core identification: Red, Yellow, Blue, Black and Green

Sheathing color code: Black.

Other colors are available upon request.

Electrical Characteristics 300 / 500 V & 450 / 750 V

TABLE 1 Single Core With Solid Or Stranded Copper Conductor With PVC Insulation

Size	R(DC)	R(AC)	R(AC)	R(AC)	R(AC)
mm ²	Ω/Km - 20 °c	Ω/Km - 70 °c/50Hz	Ω/Km - 90 °c/50Hz	Ω/Km - 70 °c/60Hz	Ω/Km - 90 °c/60Hz
0.5	36.0	43.07	45.90	43.07	45.90
0.75	24.5	29.31	31.24	29.31	31.24
1.0	18.1	21.66	23.08	21.66	23.98
1.5	12.1	14.48	15.43	14.48	15.43
2.5	7.41	8.87	9.45	8.87	9.45
4	4.61	5.52	5.88	5.52	5.88
6	3.08	3.69	3.93	3.64	3.93
10	1.83	2.19	2.33	2.19	2.33
16	1.15	1.38	1.466	1.38	1.466
25	0.727	0.870	0.927	0.870	0.927

Note: . R(DC) Ω/Km, 20°C : Direct current resistance at 20°C in Ω/Km.
 . R(AC) Ω/Km, 90°C : Alternating current resistance at 90°C in Ω/Km.

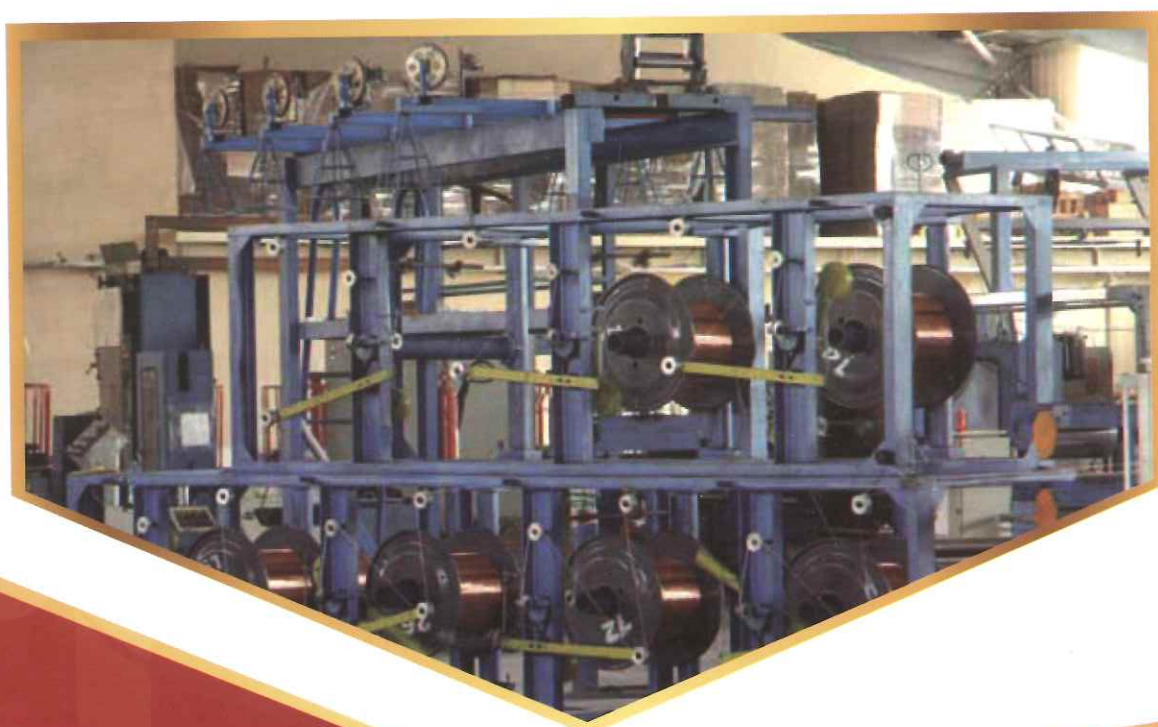


Electrical Characteristics 300 / 500 V & 450 / 750 V

TABLE 2 Single Core With Flexible Copper Conductor With PVC Insulation

Size	R(DC)	R(AC)	R(AC)	R(AC)	R(AC)
mm ²	Ω/Km - 20 °c	Ω/Km - 70 °c/50Hz	Ω/Km - 90 °c/50Hz	Ω/Km - 70 °c/60Hz	Ω/Km - 90 °c/60Hz
0.5	39.0	46.66	49.73	46.66	49.73
0.75	26.0	31.11	33.15	31.11	33.15
1.0	19.5	23.33	24.48	23.33	24.48
1.5	13.3	15.91	16.96	15.91	16.96
2.5	7.98	9.55	10.17	9.55	10.17
4	4.95	5.92	6.31	5.92	6.31
6	3.30	3.95	4.21	3.95	4.21
10	1.91	2.29	2.44	2.29	2.44
16	1.21	1.45	1.54	1.45	1.54
25	0.780	0.933	0.994	0.933	0.994
35	0.554	0.663	0.707	0.663	0.707
50	0.386	0.463	0.492	0.463	0.492
70	0.272	0.326	0.347	0.326	0.347

Note: . R(DC) Ω/Km, 20°C : Direct current resistance at 20°C in Ω/Km.
 . R(AC) Ω/Km, 90°C : Alternating current resistance at 90°C in Ω/Km.





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