Company Profile

نظرة عامة

أسُست شركة وادي السير لصناعة الأسلاك والكوابل الأردنية بتاريخ 2006/6/6م في أضخم مدينة صناعية في المملكة الأردنية الهاشمية ، وتهدف الشركة الى أنتاج منتجات عالية الدقة والجودة وتنافس المنتجات العالمية بأعلى المعايير الدولية وأيصالها الى المستهلك من خلال أستخدام أفضل وأحدث التقنيات وأنتقاء الكوادر الفنية المؤهلة علمياً وعملياً ، كما وتعمل على الدقة في أنتقاء المؤاد الخام والاولية عالية الجودة علماً بأن كافة مدخلات الأنتاج وكذلك كافة المنتجات الجاهزة تخضع لفحوصات مخبرية شديدة الدقة وبأعلى المعايير والمواصفات العالمية وذلك قبل تعبئتها ألياً بعبوات تأخذ أحجاماً مختلفة تتناسب مع أحتياجات المستهلك وكذلك تلبي متطلبات التصدير للأسواق العربية والعالمية .

أهدافنا وغايتنا

تهدف الى إيصال منتجات عالية الجودة الى المستهلك من خلال إستخدام أفضل وأحدث التقنيات من خلال وجود الكوادر الفنية الجاهزة ، وانتقاء افضل المواد الاولية عالية الجودة التي تخضع لفحوصات مخبرية دقيقة ، لانتاج وتوريدها للسوق المحلي (Voltage) وصناعة الكوابل المنزلية والصناعية وتصديرها للأسواق الخارجية .

رؤيتنا

- إن رؤية الشركة تقوم على أن تكون من إحدى الشركات الرائدة والمعروفة في مجال صناعة الاسلاك والكوابل .
- ان استراتيجية الشركة المستقبلية هي المحافظة على نمو دائم لمصنعها ومنتجاتها ومبيعاتها وتوفير الافضل لكل العملاء .
- تأخذ الشركة عملها بفخر وتحاول ان تكون الافضل بين قريناتها في فهم متطلبات واحتياجات عملائها .
- لا تتوقف الشركة عن تطوير نفسها الى اعلى المستويات وسيبقى التطور المستمر الدافع الاول لمبادراتها المستقبلية .

Our vision

Is to be one of the leading companies in cable industries in the region, in terms of quality and service standards.

Overview

The company was established in 2006 in the largest industrial city in the Hashemite Kingdom of Jordan. The company aims to produce high quality products and compete with international products at the highest international standards and delivery to the consumer through the use of the best and latest technology and the selection of qualified technical personnel Scientifically and practically, and works on accuracy in the selection of raw materials and primary quality high note that all input production as well as all finished products are subject to laboratory tests and high-precision and the highest international standards and specifications, before filling them Automatically in takes different size to suit consumer needs as well as meet the export requirements of the Arab and international markets

Our Aims & objectives

It aims to deliver high quality products to the consumer through the use of the best and latest technology through the presence of ready-made technical staff, selecting the best quality raw materials that are subject to rigorous laboratory tests, producing and manufacturing domestic and industrial cables, supplying them to the local market and exporting them to foreign markets.

Low Voltage Copper Conductor Class 2 Pvc (70 °c) Insulation

	Single Core Cables			Multi Core Cables		
Size-mm²	X-Reactance (50Hz)Ω/Km	Z (Impedance) Ω/Km	VD-Voltage Drop V/Amp/Km*	X-Reactance (50Hz)Ω/Km	Z (Impedance) Ω/Km	VD-Voltage Drop V/Amp/Km*
1.5	0.138	14.478	20.204	0.138	14.478	20.204
2.5	0.124	8.867	12.414	0.119	8.867	12.409
4	0.119	5.517	7.767	0.110	5.517	7.757
6	0.112	3.687	5.223	0.101	3.687	5.211
10	0.110	2.192	3.148	0.091	2.191	3.129
16	0.138	1.380	2.014	0.088	1.379	1.998
25	0.103	0.876	1.310	0.086	0.874	1.295
35	0.101	0.634	0.969	0.082	0.632	0.954
50	0.096	0.473	0.740	0.082	0.471	0.728
70	0.093	0.333	0.537	0.079	0.331	0.528
95	0.088	0.248	0.412	0.078	0.246	0.404
120	0.083	0.203	0.343	0.076	0.200	0.335
150	0.083	0.172	0.295	0.076	0.168	0.287
185	0.083	0.147	0.254	0.076	0.143	0.247
240	0.081	0.124	0.213	0.075	0.120	0.207
300	0.080	0.111	0.189	0.075	0.107	0.184
400	0.078	0.098	0.164	0.074	0.095	0.160
500	0.077	0.091	0.147	0.073	0.088	0.143
630	0.076	0.085	0.130	0.073	0.82	0.127

Low Voltage, Single & Multi Core Copper Conductor Class 2

PVC (70 °c) Insualfion (Trefoil Formafion)

Size - mm²	R(DC)Ω/Km, 20 °C	R(AC)Ω/Km, 70 °C
1.5	12.10	14.48
2.5	7.41	8.87
4	[illegible]	[illegible]
6	3.08	3.69
10	[illegible]	[illegible]
16	1.15	1.38
25	[illegible]	[illegible]
35	0.524	0.627
50	0.387	0.464
70	0.268	0.322
95	0.193	0.233
120	0.153	0.185
150	0.124	0.150
185	0.0991	0.1214
240	0.0754	0.0933
300	0.0601	0.0765
[illegible]	[illegible]	[illegible]
500	0.0366	0.0483
630	0.0283	0.0372

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- **wadi Al Seer For** 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- **We** can provide color code as per customer requirements.

Color Code For Domestic Wires

Color Codo	
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/Yeliow

Replace X With Color Code

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

Electrical Characteristics 300 / 500 V & 450 / 750 V

TABLE 2 Single Core With Flexible Copper Conductor With PVC Insulation

Size	R(OC)	R(AC)	R(AC)	R(AC)	R(AC)
mm²	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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.0	19.5	23.33	24.48	23.33	24.48
[illegible]	13.3	[illegible]	16.96	[illegible]	16.96
2.5	7.98	9.55	10.17	9.55	10.17
[illegible]	[illegible]	[illegible]	6.31	[illegible]	6.31
6	3.30	3.95	4.21	3.95	4.21
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	1.21	1.45	1.54	1.45	1.54
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	0.554	0.663	0.707	0.663	0.707
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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.

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)
mm²	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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.0	18.1	21.66	23.08	21.66	23.98
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.5	7.41	8.87	9.45	8.87	9.45
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	3.08	3.69	3.93	3.64	3.93
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	1.15	1.38	1.466	1.38	1.466
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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.

300/5DO Volts - Copper Conductor PVC Insulated

Standard : BS 6004

Rated Veltage : 300/500V

Harmonizod Codo:

Solid conductor	HO5V-U
Stranded conductor	HO5V-R
Flexible conductor	HO5V-K.

Cenductor: Class 1 solid copper, class 2 stranded copper or 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: 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
			mm²	[illegible]	[illegible]	[illegible]	[illegible]	
Flexible	T007	U1T2-10400F-20000x-4	0.5	0.6	2.1	10.0	91.4	coil
Flexible	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Flexible	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.

Insulatien: 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 Ot Conductor	Order No.	Item Code No.	Nominal Area	Insulation Thickness	Approx Overall Oiameter*	Approx Weight**	Standard Length	Standard Packing
			mm²	mm	mm	Kg/Km	mtr	
Stranded	W006	U1W2-10800R-20000x-4	1.5	0.7	3.0	21.0	91.4	coil
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	W008	U1W2-11200R-20000x-4	4	0.8	4.2	48.0	91.4	coil
	W009	[illegible]	[illegible]	[illegible]	4.7	[illegible]	91.4	[illegible]
	W010	U1W2-11400R-20000x-4	10	1.0	6.1	112.0	91.4	coil
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.4	[illegible]
	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.

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

Strandard : IEC 60502-1

Rated Veltage : 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 Ot 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 typeTM1 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 Sbeath Thickness	Approx Overall Oiameter*	Approx Cable Weight**	Standard Length
		No.x mm²	mm	mm	Kg/Km	mtr.	mtr.±5%
	U1L1-50800R - 20002K-S	5 x 1.5	0.8	1.8	13	250	1000
	[illegible]	[illegible]	[illegible]	1.8	14	[illegible]	[illegible]
	U1L1-51200R - 20002K-S	5 x 4.0	1.0	1.8	16	475	1000
	[illegible]	5 x 6.0	1.0	1.8	18	[illegible]	1000
	U1L1-51400R - 20R02K-S	5 x 10	1.0	1.8	22	1020	1000
	[illegible]	5 x [illegible]	1.0	1.8	[illegible]	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.

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 Ot 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 Tbickness	Approx Overall Oiameter*	Approx Cable Weight**	Standard Length
		No x mm²	mm	mm	mm	Kg/Km	mtr.±5%
L060	U1L1-40800R-20002K-S	4 x 1.5	0.8	1.8	12	210	1000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
L062	U1L1-41200R-20002K-S	4 x 4.0	1.0	1.8	15	400	1000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
L064	U1L1-41400R-20R02K-S	4 x 10	1.0	1.8	21	825	1000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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.

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.

Insuiation: 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 Oiameter*	Approx Weight**	Standard Length	Standard Packing
		mm²	mm	mm	Kg/Km	mtr.	
W025	U1W2-10800F-20000x-4	1.5	0.7	3.0	21.0	91.4	Coil
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
W027	U1W2-11200F-20000x-4	4	0.8	4.1	48.0	91.4	Coil
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
W029	U1W2-11400F-20000x-4	10	1.0	5.9	115.0	91.4	Coil
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
W031	U1W2-11800F-20000x-4	25	1.2	8.9	255.0	91.4	Coil
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
W033	U1W2-11800F-20000x-4	50	1.4	12.0	495.0	1000	Drum
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

*The approx. overall diameter is subject to a tolerance of (-2/+8)%.
*The approx. weight is subject to 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 Dimentions*	Approx Weight**	Standard Lenth	Standard Packing
		No x mm²	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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
T012	U1T2-21000R-20002D-4	2 x 2.5	0.6	1.0	5.6 x 9.2	104.0	91.4	Coil
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
T016	U1T2-30600R-20002D-4	3 x 1.0	0.6	0.9	4.4 x 9.4	76.0	91.4	Coil
T017	[illegible]	3 x 1.5	0.7	[illegible]	4.8 x 10.8	[illegible]	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: ItemsT0 I0 and T016 are not covered by BS 6004; however, 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

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 mm²	Ph.	Ne.	mm	mm	Kg/Km	(mtr.±5%)
LQ48	U1L1-41413R-20R02K-S	3 x 10 + 6	1.0	1.0	1.8	20	775	1000
[illegible]	[illegible]	3 x 16 + 10	1.0	1.0	1.8	22	1050	1000
LQ50	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.

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 standed 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 TM1as 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 mm²	mm	mm	Kg/Km	mtr	
L032	U1L1-30800R - 20002K-S	3 x 1.5	0.8	1.8	11	175	1000
[illegible]	[illegible]	2.5	[illegible]	[illegible]	[illegible]	225	[illegible]
L034	U1L1-31200R - 20002K-S	3 x 4.0	1.0	1.8	14	315	1000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
L036	U1L1-31400R - 20R02K-S	3 x 10	1.0	1.8	19	675	1000
[illegible]	[illegible]	[illegible]	1.0	1.8	[illegible]	[illegible]	[illegible]
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

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

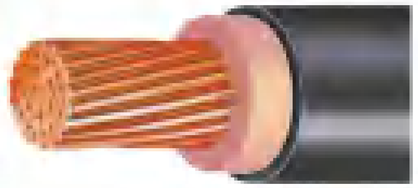
Harmonized Code :

Light PVC	HO3VV-F
Ordinary PVC	HO5VV-F

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

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



Applications: These cables are used in mobile elctrical 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	Insulation Thickness	Nominal Sheath Thicknss	Approx Overall Diameter*	Approx Weight**	Standard Length	Standard Packing
			mm²	mm	mm	mm	Kg/Km	mtr	
Light	F001	U1F2-20400F-20002W-4	2x0.50	0.6	0.8	6.0	38.0	91.4	coil
	F003	U1F2-30400F-20002W-4	3x0.50	0.6	0.8	6.3	45.0	91.4	coil
	F005	U1F2-40400F-20002W-4	4x0.50	0.6	0.8	6.8	55.0	91.4	coil
Ordinary	F007	U1F2-20600F-20002W-4	2x1.0	0.6	0.6	6.6	64.7	91.4	coil
	F009	U1F2-21000F-20002W-4	2x2.5	0.8	1.0	9.2	133.0	91.4	coil
	F011	U1F2-21300F-20002W-4	2x6.0	0.6	1.1	11.85	246.0	91.4	coil
	F013	U1F2-21300F-20002W-4	2x16.0	1	1.3	17.0	525.0	91.4	coil
	F015	U1F2-30600F-20002W-4	3x1.0	0.6	0.8	7.0	77.0	91.4	coil
	F017	U1F2-31000F-20002W-4	3x2.5	0.8	1.0	9.8	161.0	91.4	coil
	F019	U1F2-31300F-20002W-4	3x6.0	0.8	1.1	12.6	322.0	91.4	coil
	F021	U1F2-31000F-20002W-4	3x16.0	1	1.3	18.20	710.2	91.4	coil
	F023	U1F2-40600F-20002W-4	4x1.0	0.6	0.8	7.75	95.6	91.4	coil
	F025	U1F2-41000F-20002W-4	4x2.5	0.8	1.1	11.10	200.0	91.4	coil
	F027	U1F2-41300F-20002W-4	4x6.0	0.8	1.1	14.0	405.0	91.4	coil
	F029	U1F2-41500F-20002W-4	4x16.0	1	1.3	20.45	899.9	91.4	coil
	F031	U1F2-50600F-20002W-4	5x1.0	0.6	0.9	8.6	115.0	91.4	coil
	F033	U1F2-50800F-20002W-4	5x2.5	0.6	1.2	12.2	245.0	91.4	coil
	F035	U1F2-51000F-20002W-4	5x6.0	0.8	1.4	15.8	475.0	91.4	coil
	F037	U1F2-51000F-20002W-4	5x16.0	1	1.4	22.35	1130.5	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 distibution 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 mm²	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
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)o/o.
**The approx. weight is subject to a tolerance of (+ 5)o/o.

Core identification: Red, Black.
Sheathing color code: Black.
Other colors are available upon request.