UNITECH
FLEXIBLE
WIRES & CABLES



UNITECH Inc.

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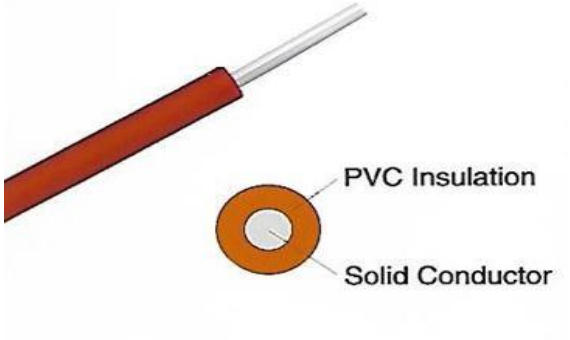
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HOOK UP WIRES

HOOK UP WIRES

Solid tinned and annealed copper conductor insulated with RoHS PVC sheath. Hook up wires are used for internal use in electrical or electronics equipment such as control panel , switch gear etc.



PVC RoHS COMPLIANT

RoHS compliant

CODE	No. of Strands SWG	ATC Conductor Size in MM	Cross Sectional Area of Conductor CSAC	Nominal Insulation Thickness in MM	Maximum overall Dia. In MM (+ -2%)	*Current Carrying Capacity (Amps)	Maximum Conductor Resistance Ohms/km
UHK - 01	1/31	0.295	0.07	0.30	0.90	0.4	272.90
UHK - 02	1/30	0.315	0.08	0.30	0.95	0.5	239.30
UHK - 03	1/28	0.376	0.11	0.35	1.10	0.9	168.00
UHK - 04	1/26	0.457	0.16	0.40	1.20	1.3	113.70
UHK - 05	1/25	0.508	0.20	0.40	1.25	1.7	92.00
UHK - 06	1/23	0.610	0.29	0.45	1.50	2.4	63.80
UHK - 07	1/22	0.711	0.40	0.50	1.70	3.2	46.90
UHK - 08	1/20	0.914	0.66	0.70	2.30	5.4	28.40

TIE WIRES / BINDING WIRES

Solid tinned and annealed GI conductor insulated with PVC sheath.
Tie wires are used for external use in electrical or electronics equipment.





*These values are guiding factors only, actual capacity depends on ambient conditions

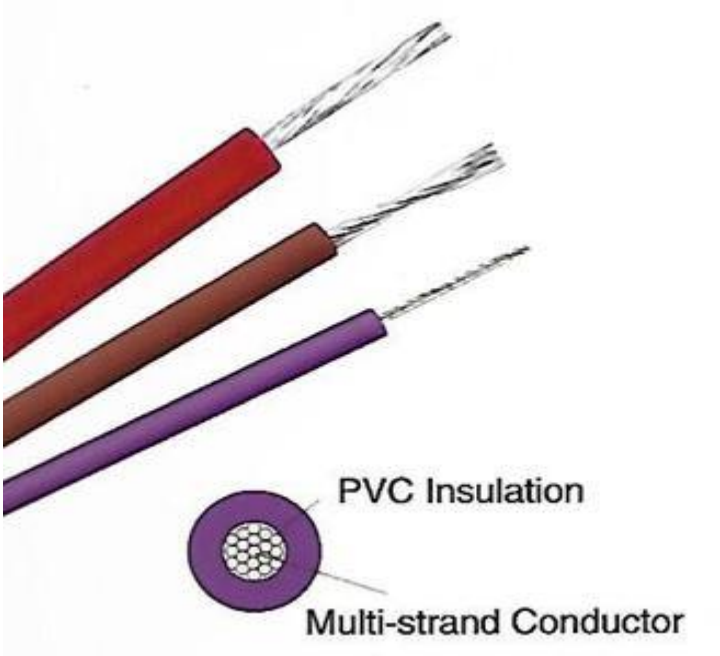
FLEXIBLE WIRES

FLEXIBLE WIRES

Multiple stranded conductor, Tinned and annealed copper conductor insulated with RoHS PVC sheath.

Flexible wires are used for Transmission of low voltage signals ,

Used in electrical or electronics equipment for permanently connecting fixed parts such as panel board to any apparatus or mobile unit .



PVC RoHS COMPLIANT



FLEXIBLE WIRES

CODE	No. of Strands SWG	ATC Conductor Size in MM	Cross Sectional Area of Conductor CSAC	Nominal Insulation Thickness in MM	Maximum overall Dia. In MM (+ -2%)	*Current Carrying Capacity (Amps)	Maximum Conductor Resistance Ohms/km
UFK - 01	7/42	0.102	0.05	0.30	1.10	0.300	218.07
UFK - 02	7/40	0.122	0.07	0.30	1.20	0.500	207.69
UFK - 03	7/39	0.130	0.10	0.35	1.30	0.700	202.50
UFK - 04	7/38.50	0.140	0.11	0.45	1.30	0.900	200.04
UFK - 05	7/38	0.150	0.13	0.45	1.30	1.00	152.70
UFK - 06	7/36.50	0.180	0.18	0.45	1.30	1.40	146.67
UFK - 07	7/36	0.190	0.20	0.45	1.30	1.60	94.70
UFK - 08	14/38.50	0.140	0.22	0.55	1.70	1.70	100.1
UFK - 09	14/38	0.150	0.25	0.55	1.70	1.75	76.40
UFK - 10	14/36.50	0.180	0.36	0.55	1.80	2.85	49.05
UFK - 11	14/36	0.190	0.41	0.55	1.80	3.25	47.40
UFK – 12	23/38.50	0.140	0.37	0.65	2.20	2.95	47.01
UFK - 13	23/38	0.150	0.42	0.65	2.20	3.30	46.50
UFK - 14	23/36.50	0.180	0.59	0.65	2.20	4.60	29.75
UFK - 15	23/36	0.190	0.67	0.65	2.20	5.30	28.80
UFK - 16	40/38.50	0.140	0.64	0.85	2.75	5.00	27.05
UFK - 17	40/38	0.150	0.73	0.85	2.75	5.70	26.70
UFK - 18	40/36.50	0.180	1.02	0.85	3.00	7.95	17.85
UFK - 19	40/36	0.190	1.17	0.85	3.00	9.00	16.60
UFK - 20	7/0.2	0.20	0.22	0.40	1.40	1.75	88.20
UFK - 21	16/0.2	0.20	0.50	0.55	2.10	4.0	38.60
UFK - 22	24/0.2	0.20	0.75	0.55	2.30	7.0	25.7
UFK - 23	32/0.2	0.20	1.00	0.70	2.70	11.0	19.3
UFK - 24	48/0.2	0.20	1.50	0.70	3.00	14.0	12.9
UFK - 25	80/0.2	0.20	2.50	1.00	4.00	19.0	7.7
UFK - 26	128/0.2	0.20	4.00	1.00	6.00	26.0	4.8

Colours available :

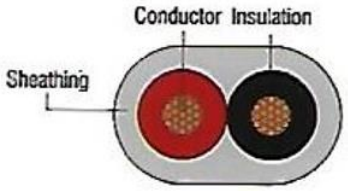


*These values are guiding factors only, actual capacity depends on ambient conditions

2 CORE SHEATHED FLAT CABLES

2 CORE Sheathed flat cables are 2 PVC insulated cores laid up together and RoHS PVC sheathed overall. These cables are used Domestic & professional electrical appliance. Production equipment & machinery. Electronics, measurement & regulation applications. control panel , switch gear etc.





PVC RoHS COMPLIANT

RoHS compliant

CODE	No. of Strands SWG	ATC Conductor Size in MM	Cross Sectional Area of Conductor CSAC	Nominal Insulation Thickness in MM	Nominal Sheath Thickness In MM (+ -2%)	*Current Carrying Capacity (Amps)	Maximum Conductor Resistance Ohms/km
U2C - 01	14/42	0.102	0.114	0.65	0.50	0.9	169.60
U2C - 02	14/41	0.112	0.138	0.65	0.50	1.0	140.60
U2C - 03	14/40	0.122	0.164	0.65	0.50	1.3	118.50
U2C - 04	14/39	0.132	0.192	0.70	0.50	1.5	101.30
U2C - 05	14/38	0.152	0.254	0.70	0.50	2.0	76.40
U2C - 06	14/36	0.193	0.410	0.70	0.50	3.2	47.40
U2C - 07	16/36	0.193	0.468	0.70	0.60	3.7	41.40
U2C - 08	23/42	0.102	0.188	0.75	0.50	1.5	103.2
U2C - 09	23/41	0.112	0.227	0.75	0.50	1.8	85.60
U2C - 10	23/40	0.122	0.269	0.75	0.50	2.1	72.20
U2C - 11	23/39	0.132	0.315	0.70	0.50	2.5	61.60
U2C - 12	23/38	0.152	0.418	0.70	0.60	3.3	46.50
U2C - 13	23/36	0.193	0.673	0.70	0.60	5.3	28.80
U2C - 14	16/0.2	0.203	0.503	0.70	0.60	4.0	38.60
U2C - 15	24/0.2	0.203	0.754	0.70	0.60	7.0	25.70

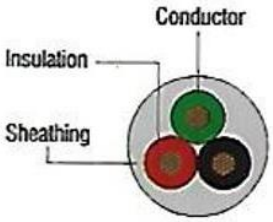
Colours available :

*These values are guiding factors only, actual capacity depends on ambient conditions

3 CORE SHEATHED ROUND CABLES

3 CORE Sheathed flat cables are 3 PVC insulated cores laid up together and RoHS PVC sheathed overall. These cables are used Domestic & professional electrical appliance. Wiring & power supply for automtion Production equipment & machinery. Electronics, measurement Control panel & regulation applications.





PVC RoHS COMPLIANT

RoHS compliant

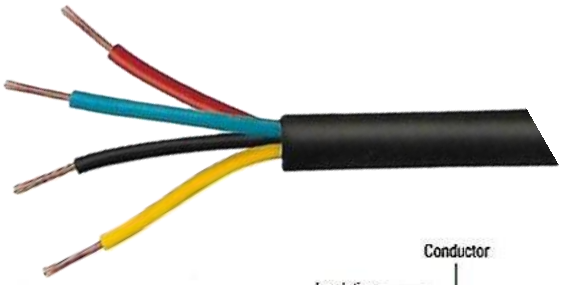
CODE	No. of Strands SWG	ATC Conductor Size in MM	Cross Sectional Area of Conductor CSAC	Nominal Insulation Thickness in MM	Nominal Sheath Thickness In MM (+ -2%)	*Current Carrying Capacity (Amps)	Maximum Conductor Resistance Ohms/km
U3C - 01	14/41	0.112	0.14	0.65	0.50	1.0	140.60
U3C - 02	14/40	0.122	0.164	0.65	0.50	1.3	118.50
U3C - 03	14/39	0.132	0.192	0.70	0.50	1.5	101.30
U3C - 04	14/38	0.152	0.254	0.70	0.50	2.0	76.40
U3C - 05	14/36	0.193	0.410	0.70	0.50	3.2	47.40
U3C - 06	16/36	0.193	0.468	0.70	0.60	3.7	41.40
U3C - 07	23/40	0.122	0.269	0.75	0.50	2.1	72.20
U3C - 08	23/39	0.132	0.315	0.70	0.50	2.5	61.60
U3C - 09	23/38	0.152	0.418	0.70	0.60	3.3	46.50
U3C - 10	23/36	0.193	0.673	0.70	0.60	5.3	28.80

Colours available :

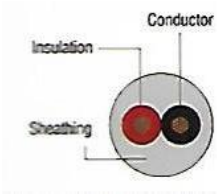
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MULTICORE ROUND CABLES UPTO 1100 V

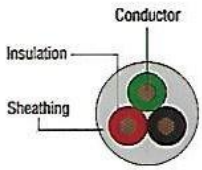
Multicore cables are annealed and bunched together bright electrolytic grade copper insulated with specially formulated PVC with high insulation resistance values. Cores are color coded and laid up and sheathed with special PVC to facilitate ease in stripping and mechanical abrasion. Application in machine tools appliances control panels and in heavy industries



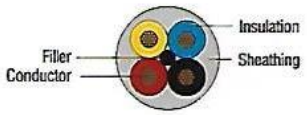
PVC RoHS COMPLIANT



2 CORE



3 CORE



4 CORE

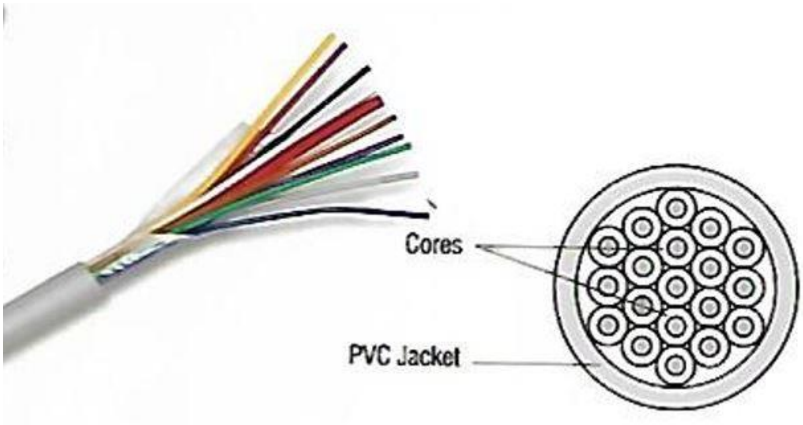
CODE	No. of Strands SWG	ATC Conductor Size in MM	Cross Sectional Area of Conductor CSAC	Nominal Insulation Thickness in MM	Maximum overall Dia. In MM (+ -2%)	*Current Carrying Capacity (Amps)	Maximum Conductor Resistance Ohms/km
U2C HV - 01	16/0.2	0.203	0.50	0.50	5.20	4.0	38.4
U2C HV - 02	24/0.2	0.203	0.75	0.60	6.50	7.0	25.60
U3C HV - 01	16/0.2	0.203	0.50	0.50	6.00	4.0	38.4
U3C HV - 02	24/0.2	0.203	0.75	0.60	7.20	7.0	25.60
U3C HV - 03	32/0.2	0.203	1.00	0.60	7.50	11.0	19.20
U3C HV - 04	48/0.2	0.203	1.50	0.70	8.50	14.0	12.80
U4C HV - 01	16/0.2	0.203	0.50	0.50	6.00	4.0	38.4
U4C HV - 02	24/0.2	0.203	0.75	0.60	7.50	7.0	25.60
U4C HV - 03	32/0.2	0.203	1.00	0.60	8.20	11.0	19.20
U4C HV - 04	30/0.25	0.25	1.50	0.70	9.90	14.0	13.10
U4C HV - 05	50/0.25	0.25	2.50	0.80	11.60	19.0	7.9
U4C HV - 06	56/0.30	0.25	4.00	0.80	13.20	26.0	4.9

Colours available :

*These values are guiding factors only, actual capacity depends on ambient conditions

MULTICORE CABLES UNSHIELDED

Multicore cables unshielded are multi colored cores of fine copper wires twisted into layers banded with polyster foil and fully insulated with specially formulated PVC . Application in connection cable for signal transmission measuring and control devices intercommunication and data transmission at working temeperature of -5°C to +80°C



PVC RoHS COMPLIANT

RoHS compliant

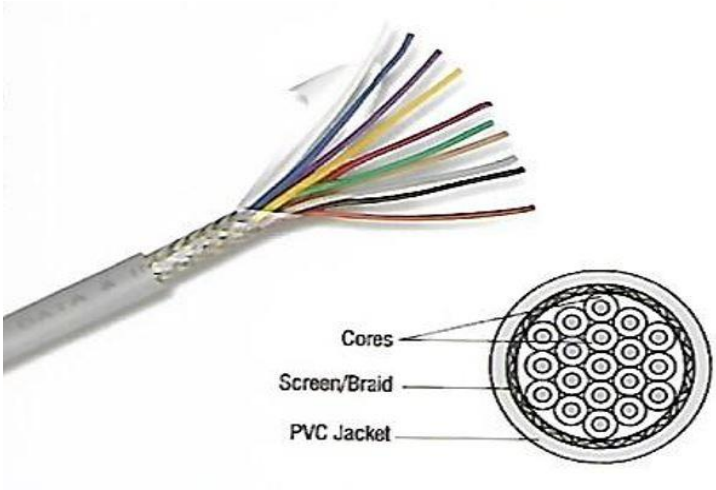
CODE	No. of Strands SWG	ATC Conductor Size in MM	No. of Cores (X)	Cross Sectional Area of Conductor CSAC	Nominal core diameter in MM	*Sheath Thickness In MM (Jacket)
U-7/40 – X-US	7/40	0.122	2-50	0.082	1.10	0.6-1.20
U-7/38 – X-US	7/38	0.152	2-50	0.127	1.20	0.6-1.25
U-7/36 – X-US	7/36	0.193	2-50	0.205	1.30	0.6-1.25
U-14/38 – X-US	14/38	0.152	2-50	0.254	1.40	0.7-1.25
U-14/36 – X-US	14/36	0.193	2-50	0.410	1.90	0.7-1.25
U-16/0.2 – X-US	16/0.2	0.203	2-20	0.518	2.00	0.7-1.25
U-24/0.2 – X-US	24/0.2	0.203	2-20	0.777	2.20	0.8-1.25
U-32/0.2 – X-US	32/0.2	0.203	2-20	1.036	2.40	0.9-1.25

Colours available :

*sheath thickness varies depending upon no. of cores

MULTICORE CABLES SHIELDED (BRAIDED)

Multicore cables shielded are multi colored cores of fine copper wires twisted into layers banded with polyester foil and overall tinned copper braided sheath up to 95% coverage is covered and is fully insulated with specially formulated PVC . Application at places where signal or data transmission requires immunity from outside interferences.



PVC RoHS COMPLIANT

RoHS compliant

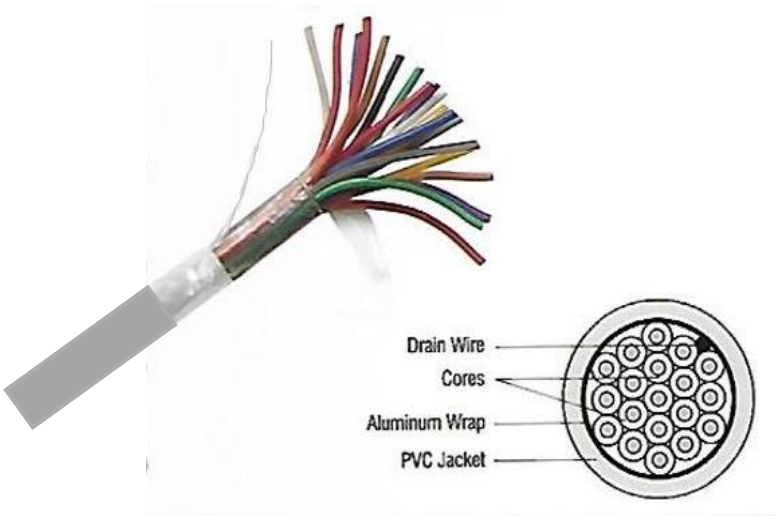
CODE	No. of Strands SWG	ATC Conductor Size in MM	No. of Cores (X)	Cross Sectional Area of Conductor CSAC	Nominal core diameter in MM	*Sheath Thickness In MM (Jacket)
U-7/40 – X-S	7/40	0.122	2-50	0.082	1.10	0.6-1.20
U-7/38 – X-S	7/38	0.152	2-50	0.127	1.20	0.6-1.25
U-7/36 – X-S	7/36	0.193	2-50	0.205	1.30	0.6-1.25
U-14/38 – X-S	14/38	0.152	2-50	0.254	1.40	0.7-1.25
U-14/36 – X-S	14/36	0.193	2-50	0.410	1.90	0.7-1.25
U-16/0.2 – X-S	16/0.2	0.203	2-20	0.518	2.00	0.7-1.25
U-24/0.2 – X-S	24/0.2	0.203	2-20	0.777	2.20	0.8-1.25
U-32/0.2 – X-S	32/0.2	0.203	2-20	1.036	2.40	0.9-1.25

Colours available :

*sheath thickness varies depending upon no. of cores

MULTICORE CABLES SHIELDED (ALUMINUM FOIL)

Multicore cables shielded are multi colored cores of fine copper wires twisted into layers banded with polyester foil and shielded overall with ALUMININUM-POLYSTER FOIL WRAP and having stranded with drain wire and is fully insulated with specially formulated PVC . Theses range of cables are ment for broadcasting data or instrumentation use.



PVC RoHS COMPLIANT

RoHS compliant

CODE	No. of Strands SWG	ATC Conductor Size in MM	No. of Cores (X)	Cross Sectional Area of Conductor CSAC	Nominal core diameter in MM	*Sheath Thickness In MM (Jacket)
U-7/40 – X- AL	7/40	0.122	2-50	0.082	1.10	0.6-1.20
U-7/38 – X- AL	7/38	0.152	2-50	0.127	1.20	0.6-1.25
U-7/36 – X- AL	7/36	0.193	2-50	0.205	1.30	0.6-1.25
U-14/38 – X- AL	14/38	0.152	2-50	0.254	1.40	0.7-1.25
U-14/36 – X- AL	14/36	0.193	2-50	0.410	1.90	0.7-1.25
U-16/0.2 – X- AL	16/0.2	0.203	2-20	0.518	2.00	0.7-1.25
U-24/0.2 – X- AL	24/0.2	0.203	2-20	0.777	2.20	0.8-1.25
U-32/0.2 – X- AL	32/0.2	0.203	2-20	1.036	2.40	0.9-1.25

Colours available :

*sheath thickness varies depending upon no. of cores

CUSTOM MADE & SPECIAL CABLE

A special range of application and custom designed cables having combination of braid and foil special core laying arrangement armoring for underground burial and sheath with fire resistant PVC or extra flexible PVC can be designed as per customer's requirements.

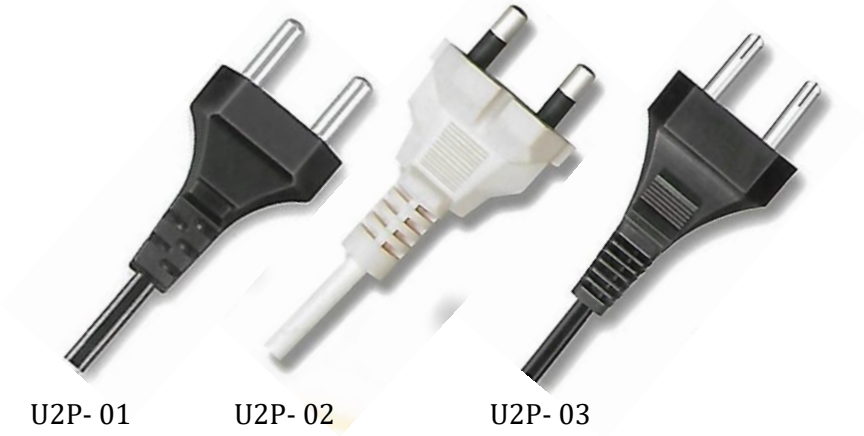


2 PIN POWER CORDS

A double insulated plug attached to a specific length of 2 core wire forming an integral part of the lead. Application in appliances where ground or earthing is not required.









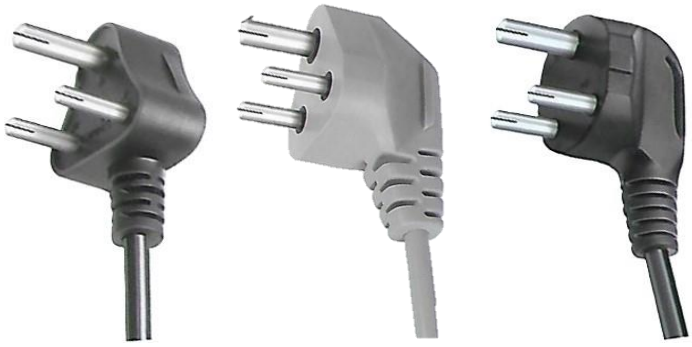


3 PIN POWER CORDS

A 3 pin double insulated plug attached to a specific length of 3 core wire forming an integral part of the lead. Application in almost all appliances consuming electricity.



6 AMP. PLUGS



U3P 6A- 01 U3P 6A- 02 U3P 6A - 03

16 AMP. PLUGS



U3P 16A- 01 U3P 16A- 02

COMPUTER POWER CORDS



MALE PIN FEMALE A-TYPE FEMALE H-TYPE



GROMMETS

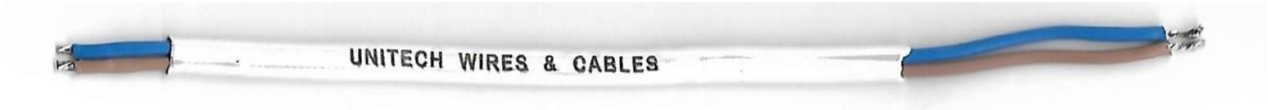
WIRE HARNESS FOR LEDS

Wire harness is an assembly of electrical cables or wires which transmit signals or electrical power Commonly used in LED, automobiles, as well as construction machinery, cable harnesses provide several advantages over loose wires and cables.

2 CORE WIRE



2 CORE FLAT WIRE



3 CORE WIRE



3 CORE WIRE WITH LUG



2 CORE WIRE WITH GROMMET



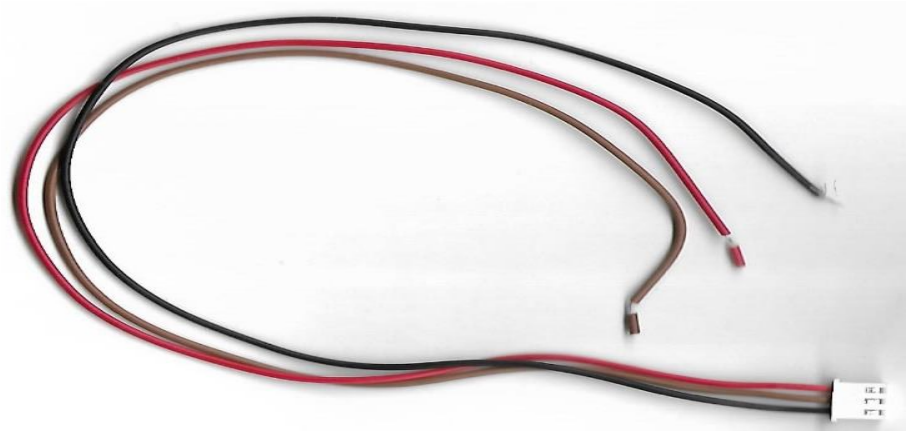
2 PIN CONNECTOR





3 Pin Wire (Without sleeves)





3 PIN CONNECTOR WIRE





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