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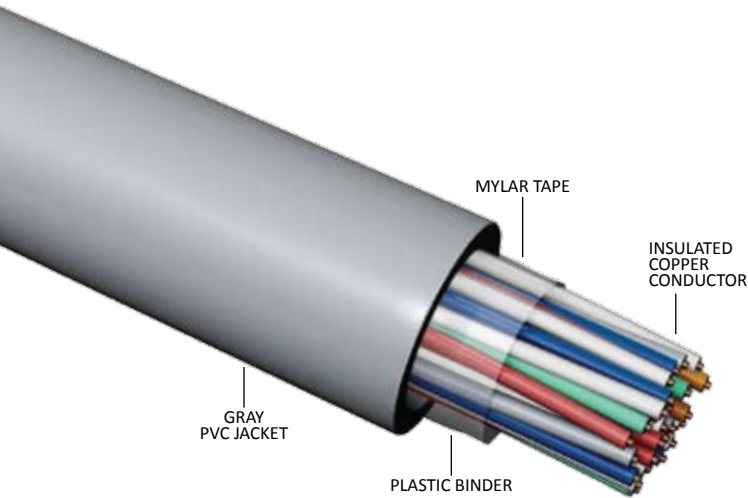
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COMPLETED PROJECTS



INTERCOM CABLE



APPLICATION
Used as an internal wiring in an intercom network system at maximum operating temperature of 60°C.

CONDUCTOR
Solid soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) or High Density Polyethylene (HDPE) color coded for circuit identification. This thermoplastic is resistant to heat, moisture, and is flame retardant for PVC insulation.

JACKET
Polyvinyl Chloride (PVC) for final protective covering.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
- 3. Specifications

Reference Specification:
REA PE - 71

INTERCOM CABLE

Size of Conductors		Number of Pairs	Jacket Thickness	Approximate Overall Diameter	Nominal Weight
			MM	MM	KG/KM
AWG	Approximate MM				
22	0.65	2	0.89	5.52	34.24
22	0.65	4	0.89	6.22	51.87
22	0.65	5	0.89	6.83	61.78
22	0.65	6	0.89	7.03	69.26
22	0.65	8	0.89	7.64	87.23
22	0.65	10	0.89	8.55	105.75
22	0.65	12	0.89	8.85	121.75
22	0.65	16	0.89	9.86	155.33
22	0.65	24	0.89	11.58	221.30
22	0.65	25	0.89	11.68	229.08

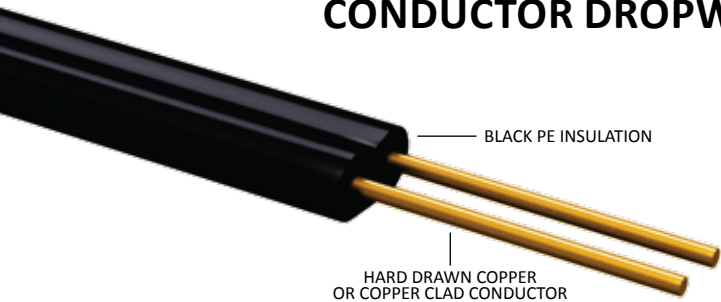
INTERCOM CABLE

Size of Conductors		Number of Pairs	Jacket Thickness	Approximate Overall Diameter	Nominal Weight
			MM	MM	KG/KM
AWG	Approximate MM				
24	0.5	2	0.89	4.88	24.15
24	0.5	4	0.89	5.55	36.13
24	0.5	6	0.89	6.32	48.44
24	0.5	8	0.89	6.90	60.09
24	0.5	10	0.89	7.76	72.73
24	0.5	12	0.89	8.05	83.38
24	0.5	16	0.89	9.01	106.01
24	0.5	24	0.89	10.64	150.27
24	0.5	25	0.89	10.74	155.46

* Contact sales department for standard length.



PARALLEL OR TWISTED CONDUCTOR DROPWIRE



(PARALLEL OR TWISTED CONDUCTOR DROPWIRE)
APPLICATION
Used to transmit signal from utility’s source to the user’s attachment point at maximum operating temperature of 75°C.

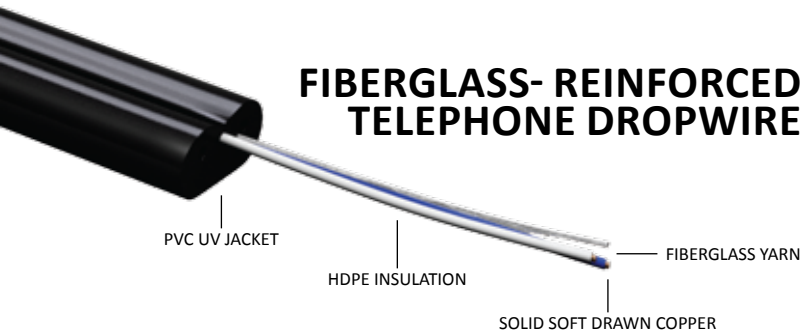
CONDUCTOR
Two solid hard drawn copper-clad or hard drawn copper conductor laid in parallel, or insulated individually, then twisted together. Available sizes are listed on the next page.

INSULATION
Low Density Polyethylene (LDPE) is highly resistant to water, acids, alkalines, salts, organic solvents, and oxidizing compound. Also, it is resistant to sunlight, environmental impact, and abrasion.

(FIBERGLASS-REINFORCED TELEPHONE DROPWIRE)
APPLICATION
Outdoor service dropwire.

CONDUCTOR
Two solid soft drawn copper guage AWG 22.

INSULATION
High Density Polythelyne (HDPE) and PVC UV stabilized jacket with fiberglass yarn support



PARALLEL AND TWISTED TELEPHONE DROP WIRE, 75°C

Size of Conductor		Number of Conductors	Approximate Diameter		Type	Nominal Weight	Standard Length
AWG	Approximate MM		MM				
			Major	Minor		KG/KM	M
18	1.024	2	5.5 to 8.0	3.0 to 5.0	Flat	36.77	300
17	1.150	2	7.95	4.20	Flat	42.83	300
17	1.150	2	Cable diameter = 8.4		Twisted	43.04	300

FIBERGLASS REINFORCED TELEPHONE DROP WIRE, 60°C

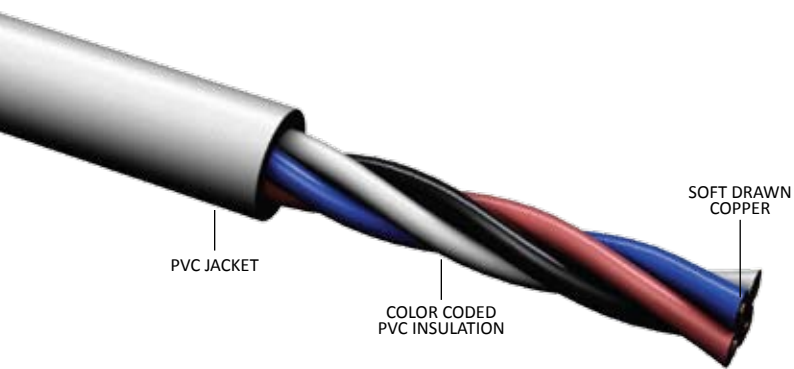
Size of Conductor		Number of Conductors	Approximate Diameter		Type	Nominal Weight	Standard Length
AWG	Approximate MM		MM				
			Major	Minor		KG/KM	M
22	0.6433	2	6.5	4.3	Flat/Twisted	41.05	300

- Please provide the following when ordering:
- Quantity
 - Construction requirements
 - Size (AWG or MM)
 - Specifications

Reference Specification:
Customer Specification



JACKETED INTERIOR WIRE



APPLICATION
Used as a distribution line between a protector and a telephone connector of a subscriber’s line at a maximum operating temperature of 60°C.

CONDUCTOR
Two, three, or four solid soft drawn copper conductors.

INSULATION
Individual conductor is extruded with Polyvinyl Chloride (PVC), color coded then twisted together.

JACKET
Polyvinyl Chloride (PVC) for final protective covering.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Number of conductors
- 3. Specifications

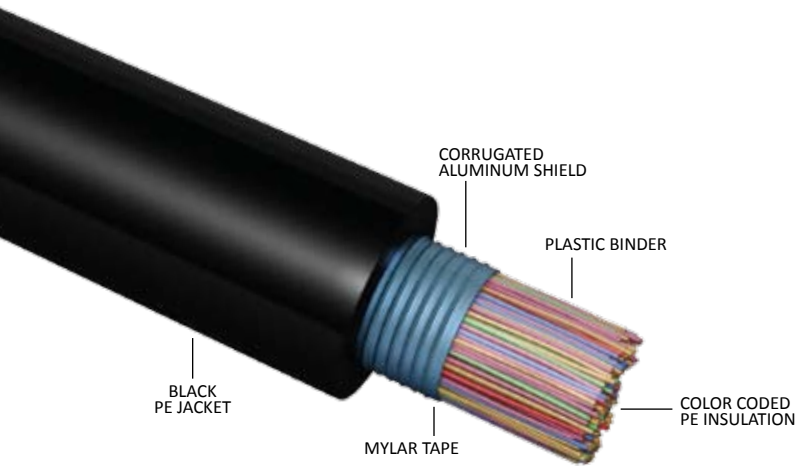
Reference Specification:
REA PE - 71
Customer Specification

JACKETED INTERIOR WIRE, 60°C

Size of Conductors		Number of Conductors	Jacket Thickness	Approximate Outside Diameter	Nominal Weight	Standard Length
AWG	Approximate MM		MM	MM	KG/KM	M
22	0.65	2	0.38	3.58	15.00	150
22	0.65	3	0.38	3.80	19.68	150
22	0.65	4	0.38	4.16	24.91	150



STANDARD AERIAL
TELEPHONE CABLE (SATC)



APPLICATION
Used for Telecommunication System and is intended for aerial or in duct applications.

CONDUCTOR
Solid soft drawn pure copper conductor. Available sizes are listed on the next page.

INSULATION
Each conductor is extruded with High Density Polyethylene (HDPE) which has high resistance to moisture, acid, alkalines, salt, organic solvents, and oxidizing compounds. Also, it is resistant to abrasion, sunlight, and environmental impacts. It has high dielectric strength and insulation resistance, and an excellent cold flow resistance. The insulated conductor is twisted into a pair, grouped to form a 25-pair unit and then cabled into a multi-core unit which is longitudinally wrapped with separator tape and laminated aluminum shield.

JACKET
Assembled multi-core is extruded with Low Density Polyethylene (LDPE) for final covering. This thermoplastic can withstand exposure to sunlight, atmospheric temperatures, ground chemicals, and stresses expected in standard installation.

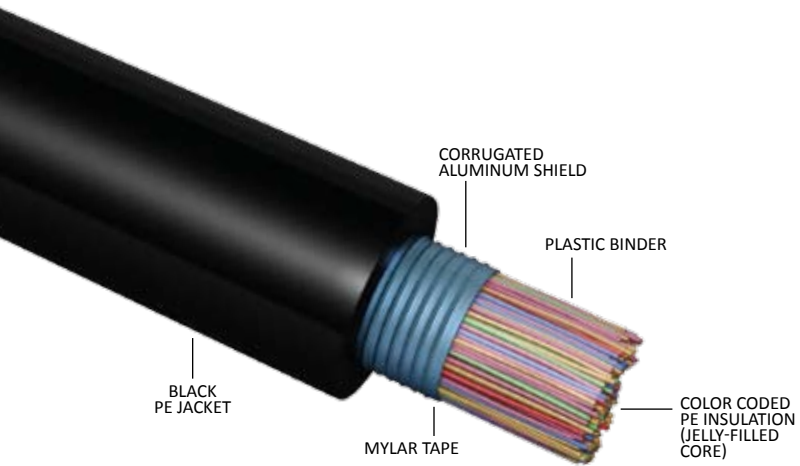
- Please provide the following when ordering:
- 1. Quantity
 - 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Number of pairs
 - 3. Specifications
- Reference Specification:
REA PE - 22
Customer Specification

STANDARD TELEPHONE CABLE, REA PE - 22

	AWG #19		AWG #22		AWG #24		AWG #26	
Number of Pairs	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight
	MM	KG/KM	MM	KG/KM	MM	KG/KM	MM	KG/KM
6	14.1	180	11.5	120	10.4	99		
12	17.0	290	13.4	175	12.0	136		
18	18.9	395	14.7	230	13.1	170		
25	21.2	535	16.5	305	14.5	217	13.9	176
50	27.8	990	20.8	530	18.0	368	16.0	286
75	33.8	1440	24.2	740	21.0	450	19.8	395
100	38.0	1955	28.1	1010	23.7	670	22.4	506
150	47.1	2760	34.3	1470	28.8	980	27.1	734
200	52.1	3650	37.3	1898	31.0	1248	29.8	930
300	64.4	5430	45.9	2820	37.6	1845	35.3	1365
400	72.5	7120	52.0	3715	42.9	2440	38.9	1766
600			65.0	5535	49.2	3556	47.9	2618
900			75.0	8060	62.0	5302	55.0	3802
1200			85.0	10796	70.8	7090	65.2	5150
1500					79.2	8762	74.8	6374
1800					87.1	10421	79.9	7530
2100							84.9	8764



JELLY-FILLED
TELEPHONE CABLE (JFTC)



APPLICATION

Used for Telecommunication System and is intended for aerial, underground, and direct burial applications.

CONDUCTOR

Solid soft drawn pure copper conductor. Available sizes are listed on the next page.

INSULATION

Each conductor is extruded with High Density Polyethylene (HDPE) which has high resistance to moisture, acid, alkalines, salt, organic solvents, and oxidizing compounds. Also, it is resistant to abrasion, sunlight, and environmental impacts. It has high dielectric strength and insulation resistance, and an excellent cold flow resistance. The insulated conductor is twisted into a pair, grouped to form a 25-pair unit and then cabled into a multi-core unit which is longitudinally wrapped with separator tape and laminated aluminum shield, and applied with petroleum jelly to prevent ingress of water into air spaces and voids of the cable.

JACKET

Assembled multi-core is extruded with Low Density Polyethylene (LDPE) for final covering. This thermoplastic can withstand exposure to sunlight, atmospheric temperatures, ground chemicals, and stresses expected in standard installation.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Number of pairs
- 3. Specifications

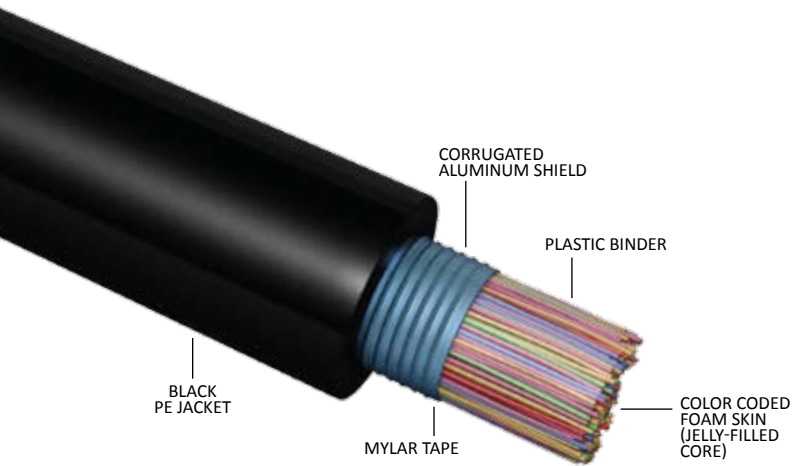
Reference Specification:
REA PE - 39
Customer Specification

STANDARD TELEPHONE CABLE, REA PE - 39

	AWG #19		AWG #22		AWG #24		AWG #26	
Number of Pairs	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight
	MM	KG/KM	MM	KG/KM	MM	KG/KM	MM	KG/KM
6	15.50	240	12.70	150	11.40	118		
12	18.80	371	15.00	218	13.10	163		
18	21.60	497	16.50	284	14.30	203		
25	24.10	683	18.50	377	15.90	265	15.00	211
50	31.60	1248	24.30	700	20.30	463	18.90	357
100	42.70	2361	33.10	1305	27.30	855	25.30	654
150			39.60	1893	32.50	1235	29.70	930
200	57.70	4515	43.00	2384	35.10	1536	32.60	1171
300	71.50	6884	52.50	3596	42.10	2282	38.90	1706
400	80.60	9002	58.90	4668	46.60	2935	43.20	2192
600			73.90	7198	57.60	4460	53.20	3329
900			85.60	10240	69.20	6564	63.10	4836
1200					83.73	9184	76.10	6652
1500							84.90	8413



FOAM SKIN-FILLED
TELEPHONE CABLE (FSF)



APPLICATION
Used for Telecommunication System and is intended for aerial, underground, and direct burial applications.

CONDUCTOR
Solid soft drawn pure copper conductor. Available sizes are listed on the next page.

INSULATION
Each conductor is covered with two layer insulation; Foam (Cellular) and High Density Polyethylene (HDPE) respectively. Thickness of foam and skin layer are relatively small compared with Jelly-Filled Telephone Cable. It has high dielectric strength and insulation resistance, and an excellent cold flow resistance. The insulated conductor is twisted into a pair, grouped to form a 25-pair unit and then cabled into a multi-core unit which is longitudinally wrapped with a separator tape and laminated aluminum shield, and applied with petroleum jelly to prevent ingress of water into air spaces and voids of the cable.

JACKET
Assembled multi-core is extruded with Low Density Polyethylene (LDPE) for final covering. This thermoplastic can withstand exposure to sunlight, atmospheric temperatures, ground chemicals, and stresses expected in standard installation.

- Please provide the following when ordering:
- 1. Quantity
 - 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Number of pairs
 - 3. Specifications
- Reference Specification:
REA PE - 89
Customer Specification

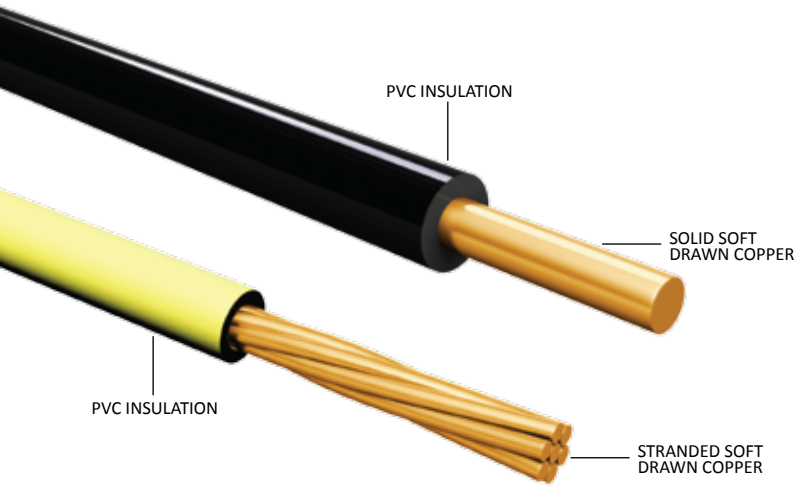
FOAM SKIN-FILLED TELEPHONE CABLE, REA PE - 89

Number of Pairs	AWG #22		AWG #24		AWG #26	
	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight	Approximate Overall Diameter	Cable Nominal Weight
	MM	KG/KM	MM	KG/KM	MM	KG/KM
10	13.8	183	12.5	145	11.6	121
20	16.7	285	14.7	211	14.2	179
30	18.6	383	16.3	277	15.1	215
50	21.3	558	19.1	404	17.2	300
70	23.6	736	20.7	511	18.6	374
100	27.7	1041	24.0	722	21.5	524
150	33.3	1533	27.6	1012	24.7	727
200	36.3	1927	30.5	1286	26.9	910
300	44.2	2884	36.5	1889	32.0	1319
400	50.1	3790	41.4	2479	35.2	1672
600	62.5	5788	49.9	3685	42.8	2512
900	72.2	8260	59.8	5402	50.8	3631
1200	81.7	10862	71.8	7457	58.4	4839
1500			80.1	9269	66.3	6106
1800			85.5	10870	70.7	7134
2000					74.3	7961
2400					82.7	9655
3000					90.4	11811



TW
(MOISTURE RESISTANT
THERMOPLASTIC WIRE)

LEAD-FREE



APPLICATION
Used as interior house wiring at circuit voltage up to 600 Volts. Suitable for the type of service where the conductor temperature does not exceed 60°C in dry or wet location.

CONDUCTOR
Solid or stranded soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) Lead-free is flame retardant and resistant to moisture.

Please provide the following when ordering:

1. Quantity
2. Construction requirements
Size (AWG or MM)
- No. of strands
- Insulation color (8 colors available)
3. Specifications

Reference Specification:
PNS 35-1:2004
UL 83
PEC
NEC

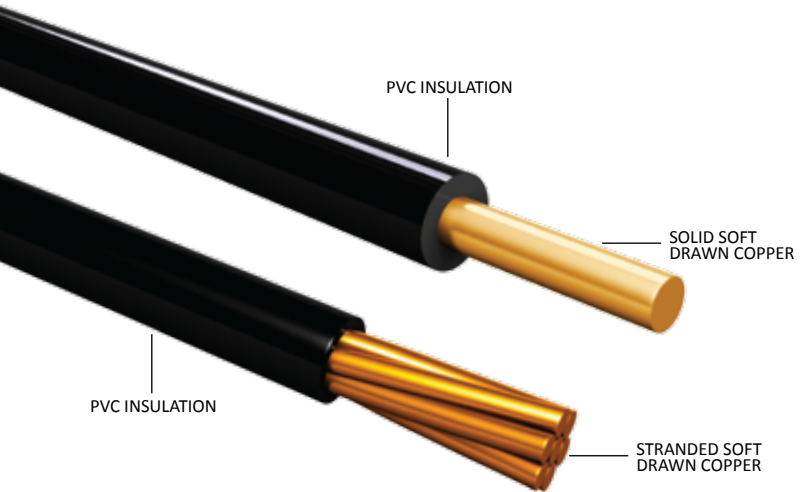
LEAD FREE THERMOPLASTIC MOISTURE RESISTANT WIRE (TW), 600 VOLTS, 60°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness	Approximate Overall Diameter	Minimum Insulation Resistance	*Ampacity	Cable Nominal Weight
MM	Approximate AWG	MM	MM	MM	M-Ohm-Km		KG/KM
Solid							
1.6 mm	14		0.8	3.20	50	25	26.63
2.0 mm	12		0.8	3.60	50	30	38.13
2.6 mm	10		0.8	4.20	50	40	59.59
3.2 mm	8		1.2	5.60	50	55	95.54
Stranded							
2.0 mm ²	14/7	7 x 0.60 mm	0.8	3.40	50	25	27.83
3.5 mm ²	12/7	7 x 0.80 mm	0.8	4.00	50	30	44.31
5.5 mm ²	10/7	7 x 1.00 mm	0.8	4.60	50	40	64.85
8.0 mm ²	8/7	7 x 1.20 mm	1.2	6.00	50	55	99.64
14 mm ²	6/7	7 x 1.60 mm	1.6	8.00	40	80	177.28
22 mm ²	4/7	7 x 2.00 mm	1.6	9.20	40	105	259.44
30 mm ²	2/7	7 x 2.30 mm	1.6	10.10	40	130	331.79
38 mm ²	1-19	19 x 1.60 mm	2.0	12.00	40	155	442.09
50 mm ²	1/0-19	19 x 1.80 mm	2.0	13.00	40	180	544.54
60 mm ²	2/0-19	19 x 2.00 mm	2.0	14.00	30	205	657.72
80 mm ²	3/0-19	19 x 2.30 mm	2.0	15.50	30	250	848.35
100 mm ²	4/0-19	19 x 2.60 mm	2.0	17.00	30	290	1063.51
125 mm ²	250 MCM	37 x 2.10 mm	2.4	19.50	30	335	1362.18
150 mm ²	300 MCM	37 x 2.30 mm	2.4	20.90	20	375	1612.92
	350 MCM	37 x 2.47 mm	2.4	22.10	20	420	1849.23
200 mm ²	400 MCM	37 x 2.60 mm	2.4	23.00	20	440	2027.62
	500 MCM	37 x 2.95 mm	2.4	25.45	20	505	2585.99
250 mm ²	-	61 x 2.30 mm	2.4	25.50	20	505	2576.95
	600 MCM	61 x 2.52 mm	2.8	28.30	20	575	3114.59
325 mm ²	650 MCM	61 x 2.60 mm	2.8	29.00	20	600	3302.36
	750 MCM	61 x 2.82 mm	2.8	30.90	20	655	3844.86
400 mm ²	800 MCM	61 x 2.90 mm	2.8	31.70	20	675	4061.41
500 mm ²	1000 MCM	61 x 3.20 mm	2.8	34.40	20	770	4898.28
* Reference Standard: PEC, NEC (Based on Ambient Air Temperature of 30°C)							



THW
(HEAT AND MOISTURE RESISTANT
THERMOPLASTIC WIRE)

LEAD-FREE



APPLICATION
Used as interior house wiring at circuit voltage up to 600 Volts. Suitable for the type of service where the conductor temperature does not exceed 75°C in dry or wet location.

CONDUCTOR
Solid or stranded soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) Lead-free is flame retardant and heat and moisture resistant thermoplastic.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - Size (AWG or MM)
 - No. of strands
 - Insulation color (8 colors available)
- 3. Specifications

Reference Specification:
PNS 35-1:2004
UL 83
PEC
NEC

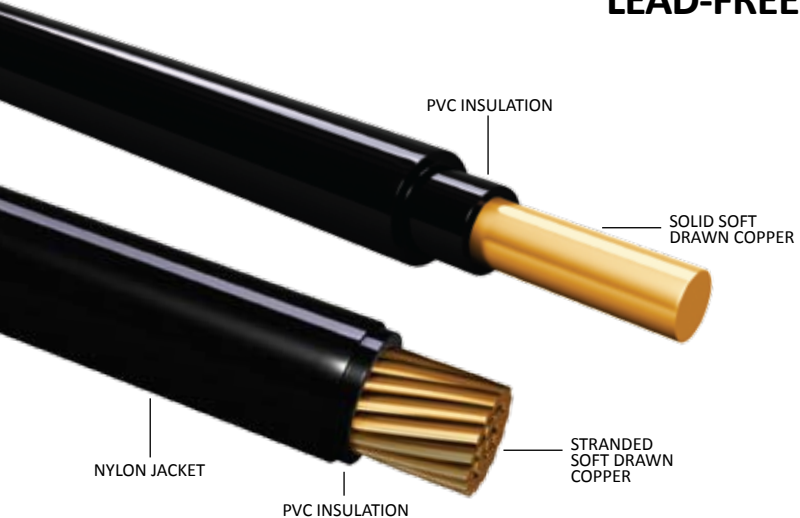
LEAD FREE THERMOPLASTIC HEAT AND MOISTURE RESISTANT WIRE (THW), 600 VOLTS, 75°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness	Approximate Overall Diameter	Minimum Insulation Resistance	*Ampacity	Cable Nominal Weight
MM	Approximate AWG	MM	MM	MM	M-Ohm-Km		KG/KM
Solid							
1.6 mm	14		0.8	3.20	130	30	26.32
2.0 mm	12		0.8	3.60	130	35	37.78
2.6 mm	10		0.8	4.20	100	50	59.16
3.2 mm	8		1.2	5.60	100	65	94.71
Stranded							
2.0 mm²	14/7	7 x 0.60 mm	0.8	3.40	130	30	27.48
3.5 mm²	12/7	7 x 0.80 mm	0.8	4.00	130	35	43.87
5.5 mm²	10/7	7 x 1.00 mm	0.8	4.60	100	50	64.32
8.0 mm²	8/7	7 x 1.20 mm	1.2	6.00	100	65	98.66
14 mm²	6/7	7 x 1.60 mm	1.6	8.00	80	95	175.54
22 mm²	4/7	7 x 2.00 mm	1.6	9.20	80	130	257.32
30 mm²	2/7	7 x 2.30 mm	1.6	10.10	60	160	329.37
38 mm²	1-19	19 x 1.60 mm	2.0	12.00	60	185	438.70
50 mm²	1/0-19	19 x 1.80 mm	2.0	13.00	60	220	540.77
60 mm²	2/0-19	19 x 2.00 mm	2.0	14.00	60	250	653.55
80 mm²	3/0-19	19 x 2.30 mm	2.0	15.50	60	300	843.59
100 mm²	4/0-19	19 x 2.60 mm	2.0	17.00	60	355	1058.13
125 mm²	250 MCM	37 x 2.10 mm	2.4	19.50	50	400	1355.14
150 mm²	300 MCM	37 x 2.30 mm	2.4	20.90	50	440	1605.23
	350 MCM	37 x 2.47 mm	2.4	22.10	50	505	1840.98
	400 MCM	37 x 2.60 mm	2.4	23.00	50	540	2018.94
200 mm²	500 MCM	37 x 2.95 mm	2.4	25.45	50	620	2576.13
	-	61 x 2.30 mm	2.4	25.50	50	620	2567.40
250 mm²	600 MCM	61 x 2.52 mm	2.8	28.30	50	690	3102.36
	650 MCM	61 x 2.60 mm	2.8	29.00	50	720	3289.76
325 mm²	750 MCM	61 x 2.82 mm	2.8	30.90	50	785	3831.24
	800 MCM	61 x 2.90 mm	2.8	31.70	50	810	4047.36
400 mm²	1000 MCM	61 x 3.20 mm	2.8	34.40	50	930	4882.76
* Reference Standard: PEC, NEC (Based on Ambient Air Temperature of 30°C)							



THHN / THWN
(HEAT RESISTANT
THERMOPLASTIC WIRE
WITH NYLON JACKET)

LEAD-FREE



APPLICATION
A general purpose 600 Volts that can be used as power, lighting and control wiring. Suitable for the type of service where the conductor temperature does not exceed 90°C in dry location or 75°C in wet location.

CONDUCTOR
Solid or stranded soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) Lead Free is flame retardant and resistant to heat, gas and oil.

JACKET
Smooth, mechanically tough Nylon jacket permits the easy use of more wires inside a conduit. It is highly abrasive and impact resistant.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - Size (AWG or MM)
 - No. of strands
 - Insulation color (8 colors available)
- 3. Specifications

Reference Specification:
PNS 35-1:2004
UL 83
PEC
NEC

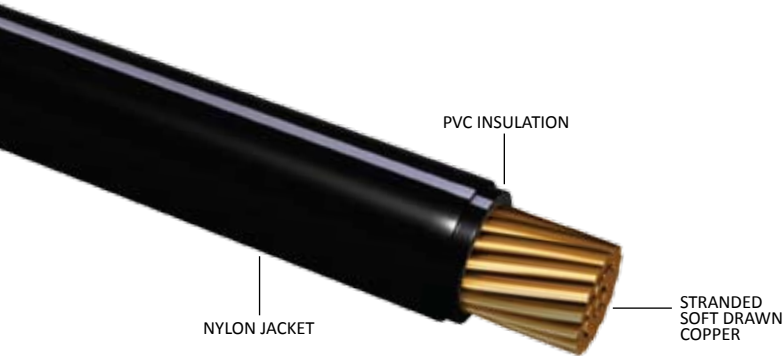
LEAD FREE THERMOPLASTIC HEAT RESISTANT WIRE WITH NYLON JACKET (THHN/TWN), 600 VOLTS, 90°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness		Approximate Overall Diameter	Minimum Insulation Resistance	*Ampacity		Cable Nominal Weight
MM	Approximate AWG	MM	MM		MM	M-Ohm-Km	75°C Wet	90°C Dry	KG/KM
Solid			PVC	Nylon			THWN	THHN	
1.6 mm	14		0.4	0.10	2.60	130	30	35	22.34
2.0 mm	12		0.4	0.10	3.00	110	35	40	32.80
2.6 mm	10		0.5	0.10	3.80	120	50	55	55.42
3.2 mm	8		0.8	0.13	5.06	120	65	75	88.05
Stranded									
2.0 mm ²	14/7	7 x 0.60 mm	0.4	0.10	2.80	130	30	35	23.23
3.5 mm ²	12/7	7 x 0.80 mm	0.4	0.10	3.40	110	35	40	38.79
5.5 mm ²	10/7	7 x 1.00 mm	0.5	0.10	4.20	120	50	55	60.23
8.0 mm ²	8/7	7 x 1.20 mm	0.8	0.13	5.46	120	65	75	91.52
14 mm ²	6/7	7 x 1.60 mm	0.8	0.13	6.66	100	95	105	153.55
22 mm ²	4/7	7 x 2.00 mm	1.0	0.15	8.30	100	130	140	239.49
30 mm ²	2/7	7 x 2.30 mm	1.0	0.15	9.20	100	160	170	309.73
38 mm ²	1-19	19 x 1.60 mm	1.3	0.18	10.96	100	185	195	411.66
50 mm ²	1/0-19	19 x 1.80 mm	1.3	0.18	11.96	100	220	235	511.40
60 mm ²	2/0-19	19 x 2.00 mm	1.3	0.18	12.96	80	250	260	621.86
80 mm ²	3/0-19	19 x 2.30 mm	1.3	0.18	14.46	80	300	320	808.40
100 mm ²	4/0-19	19 x 2.60 mm	1.3	0.18	15.96	80	355	370	1019.46
125 mm ²	250 MCM	37 x 2.10 mm	1.6	0.18	18.26	80	400	420	1302.76
150 mm ²	300 MCM	37 x 2.30 mm	1.6	0.20	19.70	80	440	475	1550.42
	350 MCM	37 x 2.47 mm	1.6	0.20	20.90	80	505	570	1782.98
200 mm ²	400 MCM	37 x 2.60 mm	1.6	0.20	21.80	60	540	570	1958.53
	500 MCM	37 x 2.95 mm	1.6	0.20	24.25	60	620	655	2509.18
250 mm ²	-	61 x 2.30 mm	1.6	0.20	24.30	60	620	655	2500.18
	600 MCM	61 x 2.52 mm	1.8	0.23	26.76	60	690	715	3007.13
325 mm ²	650 MCM	61 x 2.60 mm	1.8	0.23	27.46	60	720	770	3192.12
	750 MCM	61 x 2.82 mm	1.8	0.23	29.36	60	785	845	3727.08
400 mm ²	800 MCM	61 x 2.90 mm	1.8	0.23	30.16	60	810	875	3940.46
500 mm ²	1000 MCM	61 x 3.20 mm	1.8	0.23	32.86	60	930	995	4766.61
* Reference Standard: PEC, NEC (Based on Ambient Air Temperature of 30°C)									



CABLE TRAY RATED THHN / THWN
(HEAT RESISTANT
THERMOPLASTIC WIRE
WITH NYLON JACKET)

LEAD-FREE



APPLICATION
Used as power, lighting and control wiring. Primarily used Cable Tray System because of their superior flame retardant characteristics.

CONDUCTOR
Stranded soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) Lead Free is flame retardant and resistant to heat, gas and oil.

JACKET
Smooth, mechanically tough Nylon jacket permits the easy use in Cable Tray System. It is highly abrasive and impact resistant.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - Size (AWG or MM)
 - No. of strands
 - Insulation color (8 colors available)
- 3. Specifications

Reference Specification:
PNS 35-1:2004
UL 83
UL 1685
PEC
NEC

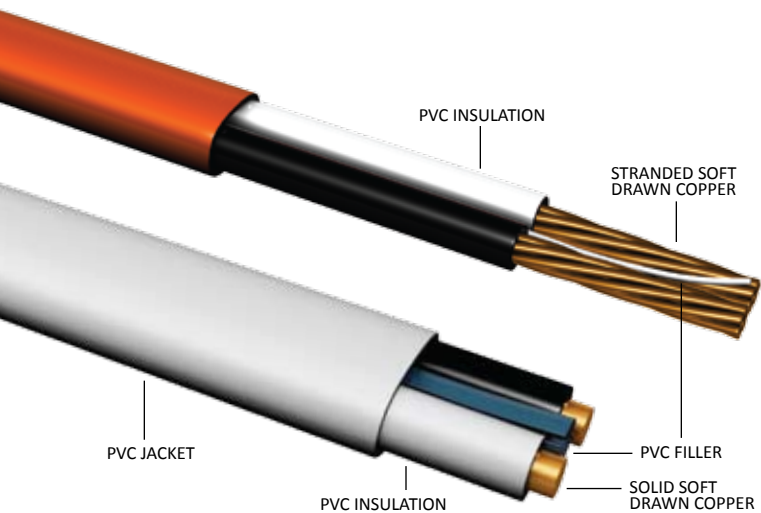
LEAD FREE CABLE TRAY THERMOPLASTIC HEAT RESISTANT WIRE WITH NYLON JACKET (THHN/TWN), 600 VOLTS, 90°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness PVC Nylon		Approximate Overall Diameter	Minimum Insulation Resistance	*Ampacity THWN THHN		Cable Nominal Weight
MM	Approximate AWG	MM	MM		MM	M-Ohm-Km	75°C Wet	90°C Dry	KG/KM
Stranded			PVC	Nylon			THWN	THHN	
50 mm ²	1/0-19	19 x 1.80 mm	1.3	0.18	11.96	100	220	235	511.40
60 mm ²	2/0-19	19 x 2.00 mm	1.3	0.18	12.96	80	250	260	621.86
80mm ²	3/0-19	19 x 2.30 mm	1.3	0.18	14.46	80	300	320	808.40
100 mm ²	4/0-19	19 x 2.60 mm	1.3	0.18	15.96	80	355	370	1019.46
125 mm ²	250 MCM	37 x 2.10 mm	1.6	0.18	18.26	80	400	420	1302.76
150 mm ²	300 MCM	37 x 2.30 mm	1.6	0.20	19.70	80	440	475	1550.42
	350 MCM	37 x 2.47 mm	1.6	0.20	20.90	80	505	570	1782.98
200 mm ²	400 MCM	37 x 2.60 mm	1.6	0.20	21.80	60	540	570	1958.53
	500 MCM	37 x 2.95 mm	1.6	0.20	24.25	60	620	655	2509.18
250 mm ²	500 MCM	61 x 2.30 mm	1.6	0.20	24.30	60	620	655	2500.18
	600 MCM	61 x 2.52 mm	1.8	0.23	26.76	60	690	715	3007.13
325 mm ²	650 MCM	61 x 2.60 mm	1.8	0.23	27.46	60	720	770	3192.12
	750 MCM	61 x 2.82 mm	1.8	0.23	29.36	60	785	845	3727.08
400 mm ²	800 MCM	61 x 2.90 mm	1.8	0.23	30.16	60	810	875	3940.46
500 mm ²	1000 MCM	61 x 3.20 mm	1.8	0.23	32.86	60	930	995	4766.61
* Reference Standard: PEC, NEC (Based on Ambient Air Temperature of 30°C)									



DUREX™ WIRE
(TYPE NM)

NON METALLIC SHEATHED CABLE



APPLICATION
Designed specifically for use as an internal 600 Volts building wires installed above ground and in any location at maximum operating temperature of 60°C. Use of conduit is optional as per Philippine Electrical Code (PEC), Section 5.5.4.

CONDUCTOR
Two or three solid or stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
Individual conductor is extruded with Polyvinyl Chloride (PVC) Lead Free is flame retardant and resistant to moisture.

JACKET
Two insulated conductors laid in parallel with web separator is extruded with Polyvinyl Chloride (PVC) for final protective covering. It is flame retardant and resistant to moisture, solvent and acid.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
- 3. Size (AWG or MM)
- 4. Specifications

Reference Specifications:
PNS 35
UL 719
PEC

DUREX WIRE TYPE NM (2 CONDUCTORS), 600 VOLTS, 60°C

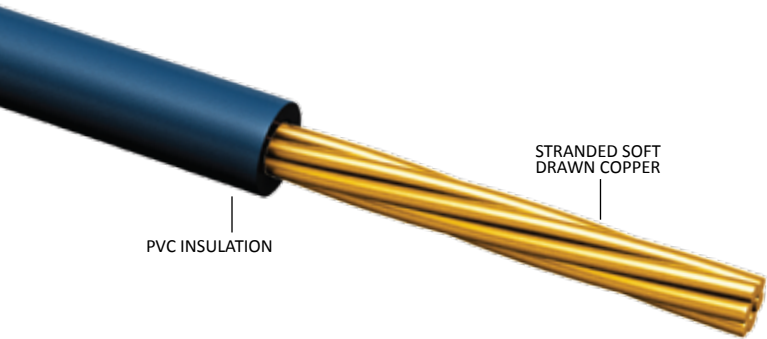
SIZE OF CONDUCTOR		No. of Conductors	Approximate Weight	Wall Thickness		Approximate Diameter		Standard Length
MM	Approximate AWG		KG/KM	MM		MM		METER
Solid				Insulation	Jacket	Major	Minor	
1.6 mm	14	2	78.76	0.8	0.8	9.60	4.80	75
2.0 mm	12	2	117.45	0.8	0.8	10.40	5.20	75
2.6 mm	10	2	166.93	0.8	0.8	11.60	6.40	75
Stranded								
2.0 mm ²	14/7	2	94.72	0.8	0.8	10	5.0	75
3.5 mm ²	12/7	2	126.26	0.8	0.8	11.20	5.60	75
5.5 mm ²	10/7	2	172.62	0.8	0.8	12.40	6.20	75

DUREX WIRE TYPE NM (3 CONDUCTORS), 600 VOLTS, 60°C

SIZE OF CONDUCTOR		No. of Conductors	Approximate Weight	Wall Thickness		Approximate Diameter		Standard Length
MM	Approximate AWG		KG/KM	MM		MM		METER
Solid				Insulation	Jacket	Major	Minor	
1.6mm	14	3	116.36	0.8	0.8	11.20	4.80	75
2.0mm	12	3	155.97	0.8	0.8	12.40	5.20	75
2.6mm	10	3	228.42	0.8	0.8	14.20	5.80	75
Stranded								
2.0mm ²	14/7	3	122.50	0.8	0.8	11.80	5.00	75
3.5mm ²	12/7	3	179.80	0.8	0.8	13.60	5.60	75
5.5mm ²	10/7	3	249.79	0.8	0.8	15.40	6.20	75



TF
(THERMOPLASTIC FIXTURE)
WIRE



APPLICATION
Used as lighting fixture or interior appliance wire in circuits not exceeding 600 Volts. Suitable for the type of service where the conductor temperature does not exceed 60°C in dry or wet location

CONDUCTOR
Solid or stranded soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) Lead Free is flame retardant and resistant to moisture.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - Size (AWG or MM)
 - No. of strands
 - Insulation color (8 colors available)
- 3. Specifications

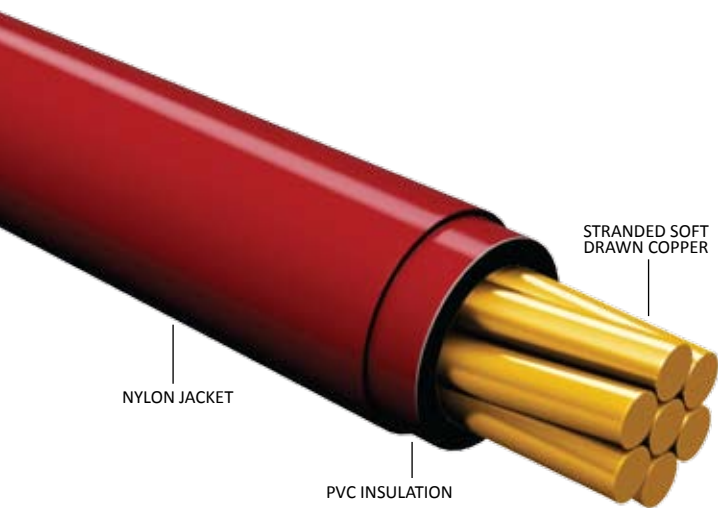
Reference Specifications:
PNS 35
UL 83
PEC
UL 1685

THERMOPLASTIC FIXTURE WIRE, 600 VOLTS, 60°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness	Approximate Overall Diameter	Cable Nominal Weight	Standard Length
MM	Approximate AWG	MM	MM	MM	KG/KM	METER
Solid						
Single Conductor						
1.0 mm	18	1.024 mm	0.80	2.624	19.26	150
1.2 mm	16	1.291 mm	0.80	2.891	21.33	150
Two Conductors						
1.0 mm	18	2 x 1.024 mm	0.80	5.248	31.78	150
1.2 mm	16	2 x 1.291 mm	0.80	5.782	43.52	150
Stranded						
Single Conductor						
0.75 mm ²	18/7	7 x 0.40 mm	0.80	2.80	15.58	150
1.25 mm ²	16/7	7 x 0.50 mm	0.80	3.10	21.33	150
Two Conductors						
0.75 mm ²	18/7	7 x 0.40 mm	0.80	5.60	28.50	150
1.25 mm ²	16/7	7 x 0.50 mm	0.80	6.20	39.30	150



TFN (THERMOPLASTIC FIXTURE) WIRE
WITH NYLON JACKET



APPLICATION
Used as lighting fixture, interior appliance wire, machine tool wire or hook up wire in circuits not exceeding 600 Volts. Suitable for the type of service where the conductor temperature does not exceed 90°C in dry location or 75°C in wet location.

CONDUCTOR
Solid or Stranded soft drawn copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) Lead Free is flame retardant & resistant to heat, gas and oil.

JACKET
Smooth mechanically tough nylon jacket permits the easy use of more wires inside a conduit. It is highly abrasive & impact resistant.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - Size (AWG or MM)
 - No. of strands
 - Insulation color (8 colors available)
- 3. Specifications

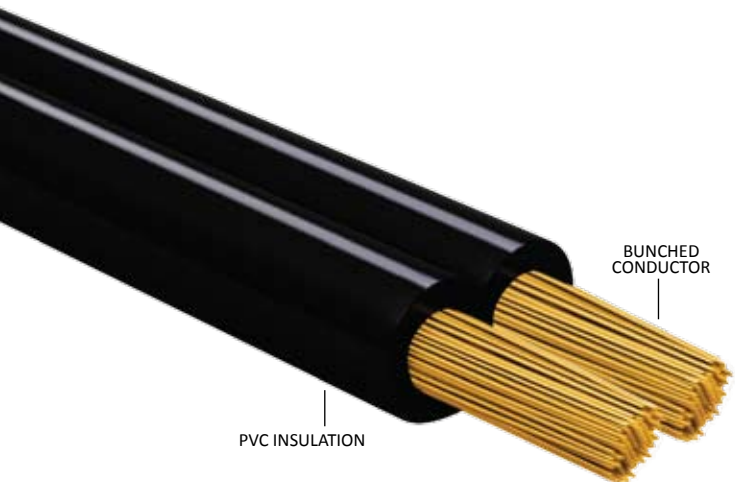
Reference Specification:
UL 62
ASTM B2 and ASTM B8

THERMOPLASTIC FIXTURE WIRE WITH NYLON JACKET, 600 VOLTS, 90°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness		Approximate Overall Diameter	Cable Nominal Weight	Standard Length
MM	Approximate AWG	MM	MM		MM	KG/KM	METER
Solid			PVC	Nylon			
Single Conductor							
1.0 mm	18	1.024 mm	0.40	0.10	2.024	10.54	150
1.2 mm	16	1.291 mm	0.40	0.10	2.291	15.43	150
Two Conductors							
1.0 mm	18	2 x 1.024 mm	0.40	0.10	4.048	21.51	150
1.2 mm	16	2 x 1.291 mm	0.40	0.10	4.582	31.48	150
Stranded							
Single Conductor							
0.75 mm ²	18/7	7 x 0.40 mm	0.40	0.10	2.20	11.87	150
1.25 mm ²	16/7	7 x 0.50 mm	0.40	0.10	2.50	17.19	150
Two Conductors							
0.75 mm ²	18/7	7 x 0.40 mm	0.40	0.10	4.40	24.25	150
1.25 mm ²	16/7	7 x 0.50 mm	0.40	0.10	5.00	35.06	150



ALL PLASTIC PARALLEL CORD SPT (FLAT CORD)



APPLICATION
Used for appliance wiring for circuits not exceeding 300 Volts. Maximum operating temperature is 60°C.

CONDUCTOR
Two soft drawn bunched copper conductors. Available sizes are listed on the next page.

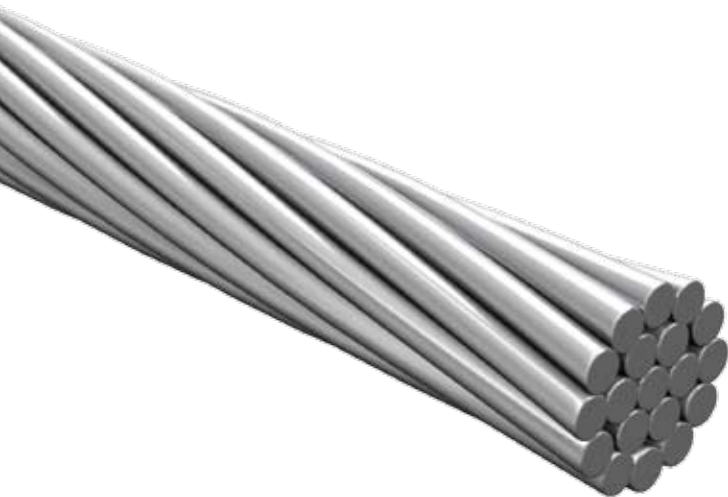
INSULATION
Two conductors are laid in parallel and extruded with Polyvinyl Chloride (PVC) Lead Free to form a two-wire flat conductor. This thermoplastic is flame retardant and resistant to moisture.

SPT (FLATCORD), 300 VOLTS, 60°C

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Type Designation	Approximate Cable Weight	Approximate Cable Diameter		Standard Length
MM	Approximate AWG			KG/KM	MM		METER
					Major	Minor	
0.75 mm ²	18	30 x 0.18 mm	SPT-1	29.96	5.4	2.7	150
1.25 mm ²	16	50 x 0.18 mm	SPT-2	57.33	7.8	3.9	150
2.0 mm ²	14	37 x 0.26 mm	SPT-3	115.33	11.6	5.8	150
3.5 mm ²	12	45 x 0.32 mm	SPT-4	166.02	12.8	7.4	150



BARE ALL
ALUMINUM CONDUCTOR
(AAC)



ALUMINUM WIRE
(R-H LAY)

APPLICATION

Used for overhead transmission and distribution of electric power.

CONDUCTOR

Solid or stranded hard drawn All Aluminum Conductor (AAC).
Available sizes are listed on the next page.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
- 3. Specifications

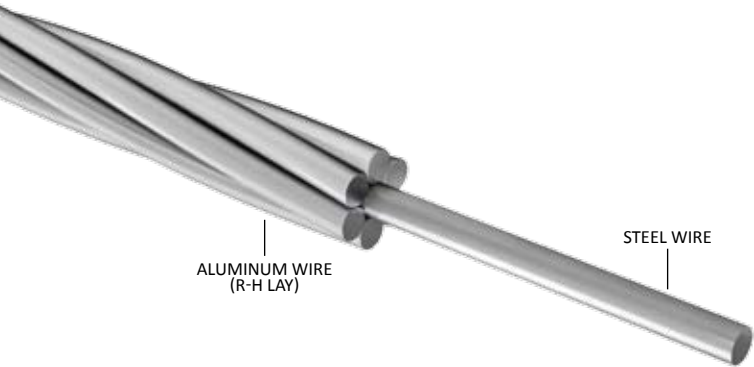
Reference Specification:
ASTM B230
ASTM B231

BARE ALL ALUMINUM CONDUCTOR (AAC)

SIZE OF CONDUCTOR		Code Word	No. & Nominal Diameter of Wire	Nominal Overall Diameter	Nominal Weight
Approximate MM	AWG		MM	MM	KG/KM
Solid					
2.6 mm	10		1 x 2.588 mm	2.59	14.22
3.2 mm	8		1 x 3.264 mm	3.26	22.62
4.2 mm	6		1 x 4.115 mm	4.11	35.94
5.3 mm	4		1 x 5.189 mm	5.18	57.17
Stranded					
14 mm ²	6	Peachbell	7 x 1.555 mm	4.67	36.70
22 mm ²	4	Rose	7 x 1.961 mm	5.89	58.33
30 mm ²	2	Iris	7 x 2.473 mm	7.42	92.70
50 mm ²	1/0	Poppy	7 x 3.119 mm	9.34	147.46
60 mm ²	2/0	Aster	7 x 3.502 mm	10.51	185.85
80 mm ²	3/0	Phlox	7 x 3.932 mm	11.78	234.36
100 mm ²	4/0	Oxlip	7 x 3.417 mm	13.25	295.66
50 mm ²	1/0	Geranium	19 x 1.892 mm	9.46	147.00
60 mm ²	2/0	Buttercup	19 x 2.126 mm	10.63	186.00
80 mm ²	3/0	Primrose	19 x 2.388 mm	11.94	234.00
100 mm ²	4/0	Sunflower	19 x 2.679 mm	13.40	296.00
168.2 mm ²	336.4 MCM	Tulip	19 x 3.380 mm	16.91	469.91
* Contact sales department for standard length.					



BARE ALUMINUM
CONDUCTOR STEEL REINFORCED
(ACSR)



APPLICATION
Used for overhead transmission and distribution of electric power.

CONDUCTOR
Stranded hard drawn Aluminum Conductor Steel Reinforced (ACSR). Available sizes are listed on the next page.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
- 3. Specifications

Reference Specification:
ASTM B232
ASTM B498

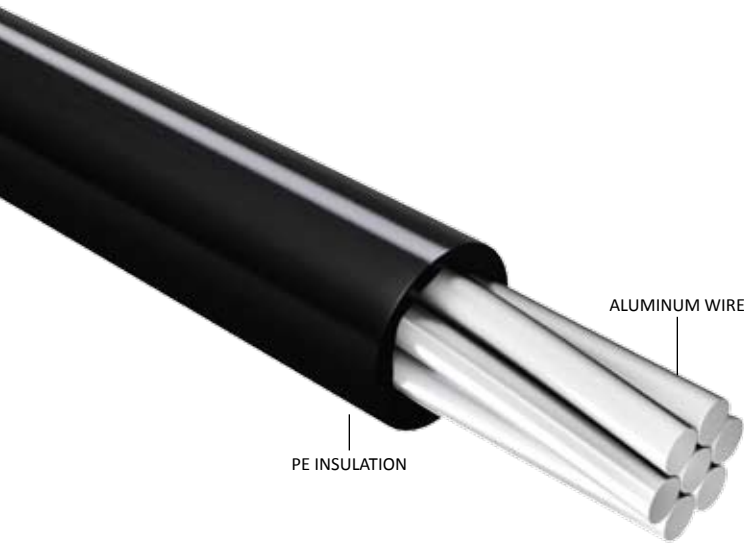
BARE ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR)

SIZE OF CONDUCTOR		Code Word	No. & Nominal Diameter of Wire		Nominal Overall Diameter	Nominal Weight
Approximate MM	AWG		MM		MM	KG/KM
			Aluminum	Steel		
14 mm ²	6	Turkey	6 x 1.679 mm	1 x 1.679 mm	5.04	53.72
22 mm ²	4	Swan	6 x 2.118 mm	1 x 2.118 mm	6.36	85.41
30 mm ²	2	Sparrow	6 x 2.672 mm	1 x 2.672 mm	8.02	135.86
38 mm ²	1	Robin	6 x 2.999 mm	1 x 2.999 mm	9.00	171.27
50 mm ²	1/0	Raven	6 x 3.370 mm	1 x 3.370 mm	10.11	216.20
60 mm ²	2/0	Quail	6 x 3.782 mm	1 x 3.782 mm	11.35	272.60
80 mm ²	3/0	Pigeon	6 x 4.247 mm	1 x 4.247 mm	12.74	343.43
100 mm ²	4/0	Penguin	6 x 4.770 mm	1 x 4.770 mm	14.31	433.15
168.2 mm ²	266.8 MCM	Waxwing	18 x 3.091 mm	1 x 3.091 mm	15.46	430.77
168.2 mm ²	336.4 MCM	Linnet	26 x 2.888 mm	1 x 1.679 mm	18.29	688.34
397.5 mm ²	795 MCM	Condor	54 x 3.081 mm	7 x 3.081 mm	27.74	1523.70
397.5 mm ²	795 MCM	Drake	26 x 4.442 mm	7 x 3.454 mm	28.14	1627.86
* Contact sales department for standard length.						

* Contact sales department for standard length.



PE COVERED
ALL ALUMINUM CONDUCTOR
(DURALENE™ AAC)



APPLICATION
Used as power transmission or distribution line. For multiflexed cable, it is used as uninsulated neutral support or messenger wire.

CONDUCTOR
Solid or stranded hard drawn All Aluminum Conductor (AAC). Available sizes are listed on the next page.

INSULATION
Black Polyethylene (PE) is resistant to acids, alkalies, water, salts, organic solvents and oxidizing compounds. Also, it is highly resistant to sunlight, abrasion and environmental impact.

- Please provide the following when ordering:
- 1. Quantity
 - 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
 - 3. Specifications

Reference Specification:
ASTM B230, B231
ICEA S-70-547

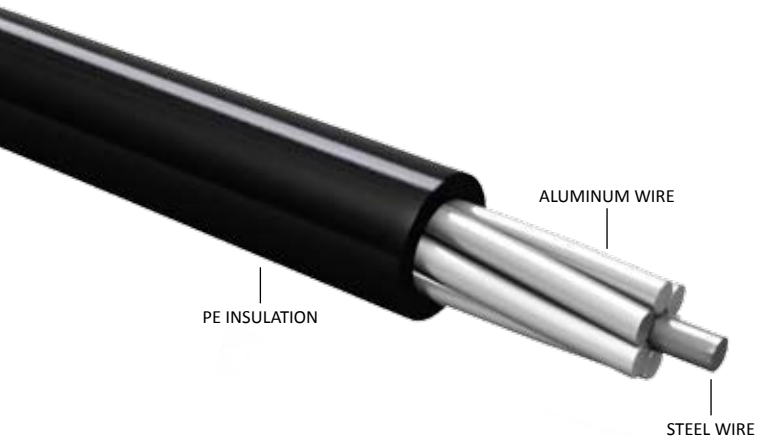
PE COVERED AAC, 75°C

Size of Conductor	Code Word	No. & Nominal Diameter of Wire	Wall Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
AWG or MCM			MM	MM	KG/KM	METER
Solid						
10		2.6 mm	0.80	4.20	22.17	300
8	Cumquat	3.2 mm	0.80	4.80	31.97	300
6	Apple	4.115 mm	0.80	5.72	47.43	300
4	Pear	5.189 mm	0.80	6.79	71.15	300
Stranded						
6	Plum	7 x 1.56 mm	0.80	6.28	52.55	300
4	Apricot	7 x 1.96 mm	0.80	7.48	78.71	300
2	Peach	7 x 2.47 mm	1.20	9.81	130.51	300
1	Nectarine	7 x 3.12 mm	1.20	10.74	159.91	300
1/0	Quince	7 x 3.51 mm	1.60	12.56	210.85	300
2/0	Orange	7 x 3.93 mm	1.60	13.73	257.94	300
3/0	Fig	7 x 3.42 mm	1.60	14.99	316.24	300
4/0	Olive	7 x 4.42 mm	1.60	16.46	389.53	300
266.8 MCM	Silverbelt	19 x 3.01 mm	1.98	19.01	492.62	*
336.4 MCM	Crabapple	19 x 3.38 mm	1.98	20.86	606.25	*
397.5 MCM	Molles	19 x 3.68 mm	1.98	22.36	705.36	*
477.0 MCM	Huckleberry	37 x 2.88 mm	1.98	24.12	823.49	*
556.5 MCM	Paw Paw	37 x 3.114 mm	1.98	25.76	948.99	*
795.0 MCM	Persimmon	61 x 2.901 mm	2.38	30.87	1354.00	*

* Contact sales department for standard length.



PE COVERED ALUMINUM CONDUCTOR STEEL REINFORCED (DURALENE™ ACSR)



APPLICATION

Used as power transmission or distribution line. For multiflexed cable, it is used as uninsulated neutral support or messenger wire.

CONDUCTOR

Stranded hard drawn Aluminum Conductor Steel Reinforced (ACSR). Available sizes are listed on the next page.

INSULATION

Black Polyethylene (PE) is resistant to acids, alkalies, water, salts, organic solvents and oxidizing compounds. Also, it is highly resistant to sunlight, abrasion and environmental impact.

DON'TS

Don't use in any application except those mentioned.

Please provide the following when ordering:

1. Quantity
2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
3. Specifications

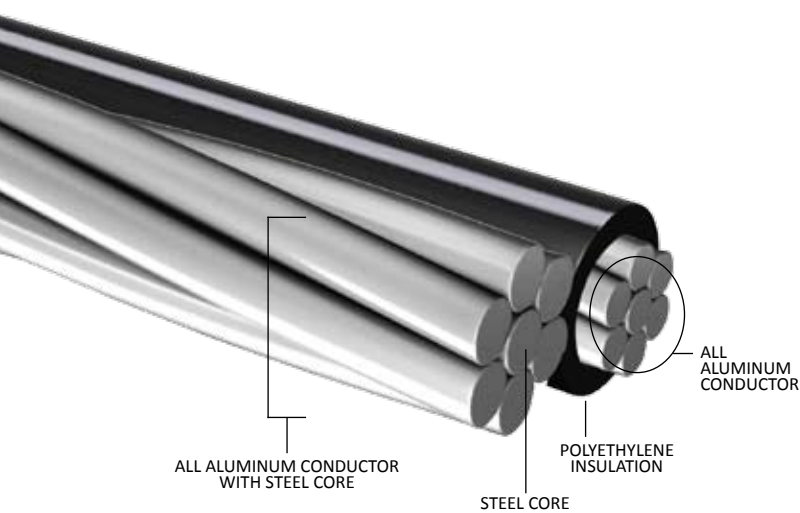
Reference Specification:
ASTM B232, 498
ICEA S-70-547

PE COVERED ACSR , 75°C

Size of Conductor	Code Word	No. & Nominal Diameter of Wire		Wall Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
AWG or MCM		MM		MM	MM	KG/KM	METER
Stranded		Aluminum	Steel				
6	Walnut	6 x 1.679 mm	1 x 1.679 mm	0.80	6.64	70.88	300
4	Butternut	6 x 2.118 mm	1 x 2.118 mm	0.80	7.95	107.73	300
2	Pignut	6 x 2.672 mm	1 x 2.672 mm	1.20	10.42	177.08	300
1	Chestnut	6 x 2.999 mm	1 x 2.999 mm	1.20	11.40	218.25	300
1/0	Almond	6 x 3.370 mm	1 x 3.370 mm	1.60	13.31	285.13	300
2/0	Pecan	6 x 3.782 mm	1 x 3.782 mm	1.60	14.55	350.97	300
3/0	Filbert	6 x 4.247 mm	1 x 4.247 mm	1.60	15.94	433.00	300
4/0	Buckeye	6 x 4.770 mm	1 x 4.770 mm	1.60	17.51	535.94	300
266.8 MCM	Hackberry	18 x 3.091 mm	1 x 3.091 mm	1.60	18.67	533.29	*
336.4 MCM	Mockernut	18 x 3.474 mm	1 x 3.472 mm	1.60	20.57	660.75	*



NEUTRAL SUPPORTED
SECONDARY AND SERVICE
DROP CABLE



APPLICATION
Used as power distribution line 600 Volts phase to phase from utility’s source to the user’s attachment point (service entrance).

CONDUCTOR
One or two insulated hard drawn All Aluminum Conductors (AAC) cabled around bare Aluminum Conductor Steel Reinforced (ACSR). Available sizes are listed on the next page.

INSULATION
Black Polyethylene (PE) is resistant to acid, alkalies, water, salts, organic solvents and oxidizing compounds. Also, it is highly resistant to sunlight, abrasion and environmental impact.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
- 3. Specifications

Reference Specification:
ASTM B230, B231, B232, B489
ICEA S-61-402
ICEA S-76-474

DUPLEX CABLE, 75°C

Size of Conductor	Code Word	Insulated (AAC)		Neutral Conductor (ACSR)		Nominal Weight
AWG or MCM		No. & Nominal Diameter of Wire	Insulation Thickness MM	No. & Nominal Diameter of Wire		KG/KM
Stranded				Aluminum	Steel	
6	Shepherd	7 x 1.56 mm	1.14	6 x 1.679 mm	1 x 1.679 mm	114.02
4	Terrier	7 x 1.96 mm	1.14	6 x 2.118 mm	1 x 2.118 mm	173.62
2	Chow	7 x 2.47 mm	1.14	6 x 2.672 mm	1 x 2.672 mm	267.22
1	Labrador	19 x 1.69 mm	1.52	6 x 2.999 mm	1 x 2.999 mm	342.69
1/0	Bull	19 x 1.89 mm	1.60	6 x 3.370 mm	1 x 3.370 mm	425.79

TRIPLEX CABLE, 75°C

Size of Conductor	Code Word	Insulated (AAC)		Neutral Conductor (ACSR)		Nominal Weight
AWG or MCM		No. & Nominal Diameter of Wire	Insulation Thickness MM	No. & Nominal Diameter of Wire		KG/KM
Stranded				Aluminum	Steel	
6	Voluta	7 x 1.56 mm	1.14	6 x 1.679 mm	1 x 1.679 mm	174.34
4	Periwinkle	7 x 1.96 mm	1.14	6 x 2.118 mm	1 x 2.118 mm	259.77
2	Conch	7 x 2.47 mm	1.14	6 x 2.672 mm	1 x 2.672 mm	398.60
1	Atya	19 x 1.69 mm	1.52	6 x 2.999 mm	1 x 2.999 mm	513.72
1/0	Cenia	19 x 1.89 mm	1.52	6 x 3.370 mm	1 x 3.370 mm	629.71
2/0	Triton	19 x 2.13 mm	1.52	6 x 3.782 mm	1 x 3.782 mm	779.04
3/0	Mursia	19 x 2.39 mm	1.52	6 x 4.247 mm	1 x 4.247 mm	963.95
4/0	Zuzara	19 x 2.68 mm	1.52	6 x 4.770 mm	1 x 4.770 mm	1199.06

QUADRUPLIX CABLE, 75°C

Size of Conductor	Code Word	Insulated (AAC)		Neutral Conductor (ACSR)		Nominal Weight
AWG or MCM		No. & Nominal Diameter of Wire	Insulation Thickness MM	No. & Nominal Diameter of Wire		KG/KM
Stranded				Aluminum	Steel	
1/0	Costena	19 x 1.89 mm	1.52	6 x 3.370 mm	1 x 3.370 mm	836.01
2/0	Grullo	19 x 2.13 mm	1.52	6 x 3.782 mm	1 x 3.782 mm	1015.38
3/0	Suffolk	19 x 2.39 mm	1.52	6 x 4.247 mm	1 x 4.247 mm	1278.58
4/0	Appaloosa	19 x 2.68 mm	1.52	6 x 4.770 mm	1 x 4.770 mm	1585.72

* Contact sales department for standard length.



ARMOR RODS

Armor Rods protect against bending, compression, abrasion and arc-over normally at the support point of the conductor (i.e. at the insulator).

They can also be used to repair damaged conductor and will restore full conductance and strength to ACSR conductors where up to 50% of the outer layer strands are damaged.



CONDUCTOR TYPE			ARMOR RODS	
Nominal Size	Name	Diameter (MM)	Single Support	Double Support
#6	TURKEY	5	AAR 0495	DAAR 0495
#4	SWAN	6.4	AAR 0620	DAAR 0620
#3		7.14	AAR 0695	DAAR 0695
#2	SPARROW	8	AAR 0785	DAAR 0785
#1	ROBIN	9	AAR 0880	DAAR 0880
1/0	RAVEN	10.1	AAR 0990	DAAR 0990
2/0	QUAIL	11.4	AAR 1110	DAAR 1110
3/0	PIGEON	12.8	AAR 1245	DAAR 1245
4/0	PENGUIN	14.3	AAR 1400	DAAR 1400
336.4	LINNET	18.3	AAR 1790	DAAR 1790
795	CONDOR	27.8	AAR 2705	AAR 2705
	DRAKE	28.1	AAR 2790	AAR 2790

* Contact sales department for other types and sizes.

Distribution ties are designed and manufactured to secure conductors in the top or side groove of conductors. They provide an improved method of securing conductors compared to hand ties. These ties provide superior abrasion protection for the conductor under all types of motion, including low frequency sway, high frequency aeolian vibration and galloping.

The neoprene tube component surrounds the bare conductor with a resilient cushion where the conductor would come into contact with the insulator.



CONDUCTOR TYPE			DISTRIBUTION TIES**			
Nominal Size	Name	Diameter (MM)	Top Tie*	Double Top Tie*	Side Tie*	Double Side Tie*
#6	TURKEY	5	DT 0485P		ST 0485P	
#4	SWAN	6.4	DT 0550P	DST 0620P	ST 0550P	DBST 0620P
#3		7.14	DT 0705P	DST 0705P	ST 0705P	DBST 0705P
#2	SPARROW	8	DT 0705P	DST 0705P	ST 0705P	DBST 0705P
#1	ROBIN	9	DT 0805P	DST 0800P	ST 0805P	DBST 0800P
1/0	RAVEN	10.1	DT 0910P	DST 0910P	ST 0910P	DBST 0910P
2/0	QUAIL	11.4	DT 1030P	DST 1030P	ST 1030P	DBST 1030P
3/0	PIGEON	12.8	DT 1170P	DST 1170P	ST 1170P	DBST 1170P
4/0	PENGUIN	14.3	DT 1325P	DST 1325P	ST 1325P	DBST 1325P
336.4	LINNET	18.3	DT 1695P	DST 1695P	ST 1695P	DBST 1695P
795	CONDOR	27.8	DT 2460P	DT 2460P	ST 2460P	DBST 2460P
	DRAKE	28.1				

* Contact sales department for other types and sizes.



FULL TENSION SPLICES

ACSR Full Tension Splices will complete a splice that will hold the full rated breaking strength of, and provide better conductivity than, the equal length of an unspliced ACSR conductor.

Also recommended to carry out repairs where damage to the conductor's steel core is suspected.



CONDUCTOR TYPE			FULL TENSION SPLICE
Nominal Size	Name	Diameter (MM)	
#6	TURKEY	5	
#4	SWAN	6.4	FTCS 0635
#3		7.14	
#2	SPARROW	8	FTCS 0805
#1	ROBIN	9	FTCS 1010
1/0	RAVEN	10.1	FTCS 1010
2/0	QUAIL	11.4	FTCS 1135
3/0	PIGEON	12.8	FTCS 1275
4/0	PENGUIN	14.3	FTCS 1430
336.4	LINNET	18.3	FTCS 1830
795	0.13 in	27.8	FTCS 2700
	DRAKE	28.1	FTCS 2815
* Contact sales department for other types and sizes.			

Preformed™ Aluminium Repair Rods are designed to repair damage in midspans of aluminium conductors. They are ideal in emergency situations.

Suitable for use where the damage does not effect more than 50% of outer strands on 7 & 19 strand conductors or 25% on 37 & 61 strand conductors.

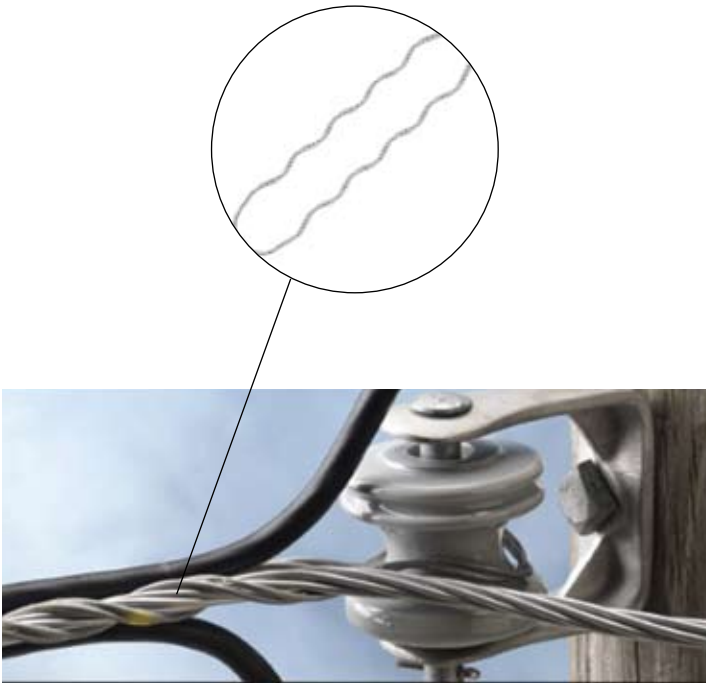


CONDUCTOR TYPE			REPAIR RODS
Nominal Size	Name	Diameter (MM)	
#6	TURKEY	5	
#4	SWAN	6.4	
#3		7.14	
#2	SPARROW	8	
#1	ROBIN	9	ARR 075
1/0	RAVEN	10.1	
2/0	QUAIL	11.4	
3/0	PIGEON	12.8	ARR 128
4/0	PENGUIN	14.3	ARR 143
336.4	LINNET	18.3	
795	CONDOR	27.8	
	DRAKE	28.1	
* Contact sales department for other types and sizes.			



SERVICE GRIP DEADENDS

Manufactured from aluminium covered steel, **service grips** are designed for the termination of bare aluminium conductors and bare neutral messengers used in making house service drops.

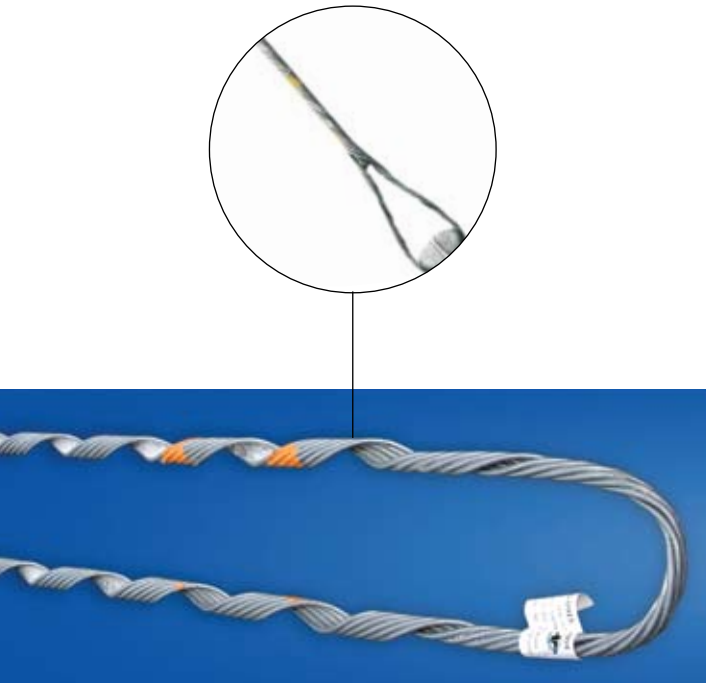


CONDUCTOR TYPE			SERVICE GRIP DEADENDS
Nominal Size	Name	Diameter (MM)	
#6	TURKEY	5	SG 0430
#4	SWAN	6.4	SG 0570
#3		7.14	SG 0655
#2	SPARROW	8	SG 0735
#1	ROBIN	9	SG 0830
1/0	RAVEN	10.1	SG 0915
2/0	QUAIL	11.4	SG 1020
3/0	PIGEON	12.8	SG 1145
4/0	PENGUIN	14.3	SG 1300
336.4	LINNET	18.3	
795	CONDOR	27.8	
795	DRAKE	28.1	
* Contact sales department for other types and sizes.			

Used for the termination of steel strand guys used in the construction of distribution lines. They are rated at 100% of the strand's published breaking strength.

GUY STRAND SIZE (INCHES)	GUY GRIP DEADENDS	
	B-Coat	Bezinal
3/16	GDE 1102	BDE 9102
1/4	GDE 1104	BDE 9104
5/16	GDE 1106	BDE 9106
3/8	GDE 1107	BDE 9107
7/16	GDE 1108	BDE 9108
* Contact sales department for other types and sizes.		

GUY GRIP DEADENDS





DISTRIBUTION GRIP DEADEND

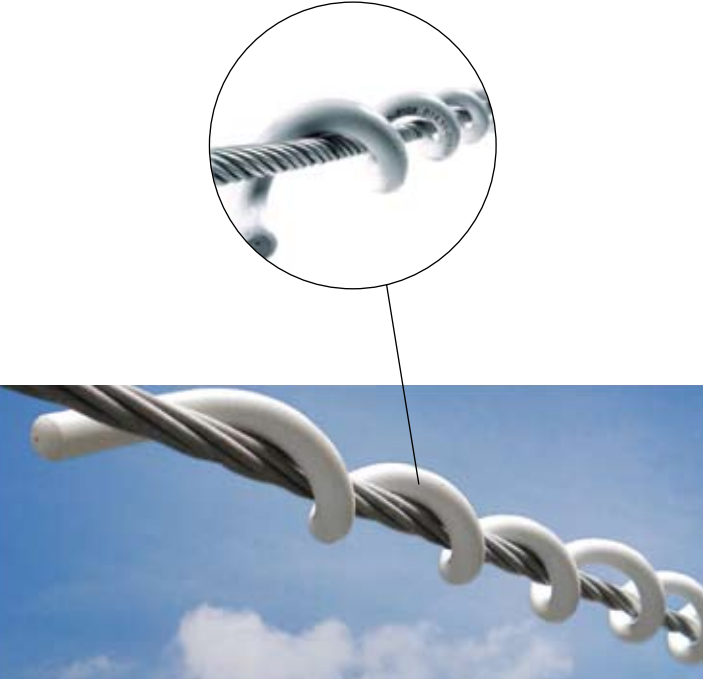
Distribution Grip Deadends are manufactured from aluminium covered steel and are designed for terminating conductors on single pole line construction. They are designed to grip the conductor uniformly to prevent distortion to the conductor and eliminate the need for bolts, nuts, washers and other components that may become lost or damaged during installation or in service.

CONDUCTOR TYPE			DISTRIBUTION DEADENDS
Nominal Size	Name	Diameter (MM)	
#6	TURKEY	5	AWDG 0505
#4	SWAN	6.4	AWDG 0635
#3		7.14	AWDG 0745
#2	SPARROW	8	AWDG 0805
#1	ROBIN	9	AWDG 0900
1/0	RAVEN	10.1	AWDG 0990
2/0	QUAIL	11.4	AWDG 1135
3/0	PIGEON	12.8	AWDG 1275
4/0	PENGUIN	14.3	AWDG 1430
336.4	LINNET	18.3	AWDG 1660
795	CONDOR	27.8	AWDG 2410
	DRAKE	28.1	
* Contact sales department for other types and sizes.			

Made from high impact, UV resistant PVC, **Spiral Vibration Dampers** are designed to reduce vibration of conductors, OPGW and ADSS cables.

CONDUCTOR		SPIRAL VIBRATION DAMPERS	
Nominal Size	Diameter Range (MM)	For Conductor	For ADSS
3/0	11.73 - 14.32	SVD 1173	PSVD 1173
4/0	11.73 - 14.32	SVD 1173	PSVD 1173
336.4	14.33 -19.30	SVD 1432	PSVD 1432
* Contact sales department for other types and sizes.			

SPIRAL VIBRATION DAMPER

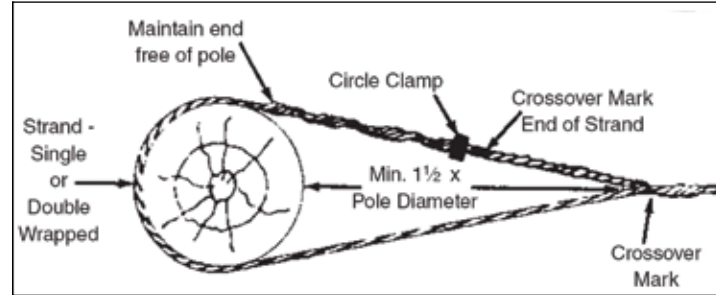




WRAP GUY LINK



Designed as an alternative to Guy Grip Deadends, **Wrap Guy Links** can be used to terminate guy strand on a pole by wrapping the guy strand around the pole. They are recommended for any size of pole and can be used with a single or double wrap of the guy strand.



GUY STRAND SIZE (INCHES)	WRAP GUY LINKS
3/16	
1/4	SSL 0610
5/16	SSL 0790
3/8	SSL 0915
7/16	SSL 1105
* Contact sales department for other types and sizes.	

Plastic Ties are intended for attaching plastic jacketed conductors to tie top ANSI insulators (C or F Neck). They are suitable for use with plastic covered conductors such as Tree Wire. They are available in standard PVC (for use up to 13kv) and 'Semi-Con' (for use up to 35kv).

CONDUCTOR OUTER DIAMETER (INCHES)*		PLASTIC LINE TIE			
		C-Neck		F-Neck	
MIN.	MAX.	PVC	SEMI-CON	PVC	SEMI-CON
0.296	0.400	TTC 1104	TTC 1104SC	TTF 1205	TTF 1205SC
0.401	0.540	TTC 1100	TTC 1100SC	TTF 1200	TTF 1200SC
0.541	0.730	TTC 1101	TTC 1101SC	TTF 1201	TTF 1201SC
0.731	0.920	TTC 1102	TTC 1102SC	TTF 1202	TTF 1202SC
0.921	1.100	TTC 1103	TTC 1103SC	TTF 1203	TTF 1203SC

CONDUCTOR OUTER DIAMETER (INCHES)*		ANGLE SIDE TIE: PLASTIC			
		C-Neck		F-Neck	
MIN.	MAX.	PVC	SEMI-CON	PVC	SEMI-CON
0.296	0.400	SSC 2105	SSC 2105SC	SSF 2205	SSF 2205SC
0.401	0.540	SSC 2100	SSC 2100SC	SSF 2200	SSF 2200SC
0.541	0.730	SSC 2101	SSC 2101SC	SSF 2201	SSF 2201SC
0.731	0.920	SSC 2102	SSC 2102SC	SSF 2202	SSF 2202SC
0.921	1.100	SSC 2103	SSC 2103SC	SSF 2203	SSF 2203SC

CONDUCTOR OUTER DIAMETER (INCHES)*		TANGENT SIDE TIE: PLASTIC			
		C-Neck		F-Neck	
MIN.	MAX.	PVC	SEMI-CON	PVC	SEMI-CON
0.296	0.400	SSC 2150	SSC 2150SC	SSF 2250	SSF 2250SC
0.401	0.540	SSC 2151	SSC 2151SC	SSF 2251	SSF 2251SC
0.541	0.730	SSC 2152	SSC 2152SC	SSF 2252	SSF 2252SC
0.731	0.920	SSC 2153	SSC 2153SC	SSF 2253	SSF 2253SC
0.921	1.100	SSC 2154	SSC 2154SC	SSF 2254	SSF 2254SC

* Contact sales department for other types and sizes.

PLASTIC TIES



LINE TIE



SIDE TIE



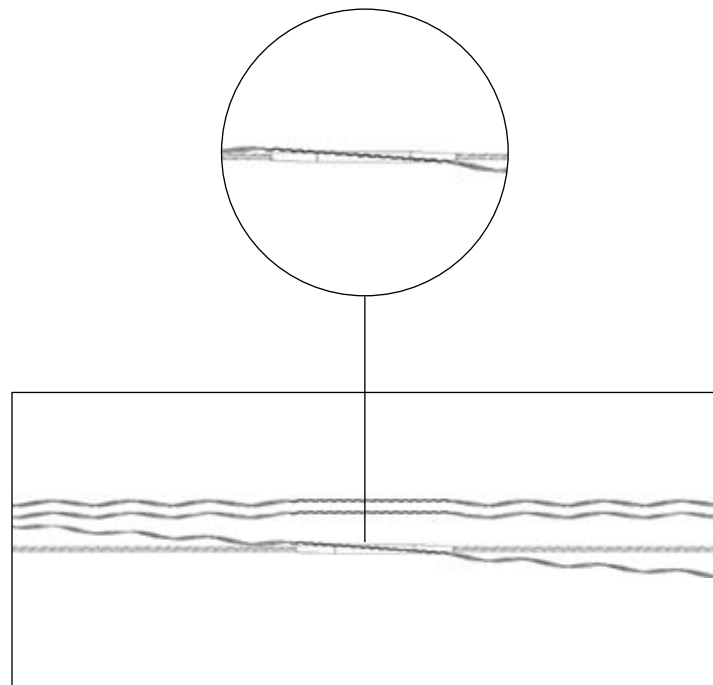
TANGENT SIDE TIE





SPLICE SHUNTS

Splice Shunts are helical wire repairs designed to restore complete electrical conductivity and a portion of the mechanical strength to compression splices that have been found to be excessively hot during thermal line inspections. They are applied directly over the splice and over the conductor for some distance either side.



When ordering, please provide the conductor size and the length and diameter of the compression splice.



PREFORMED LINE PRODUCTS

DISTRIBUTION LINE PRODUCTS

CONDUCTOR DEAD-END AND PROTECTION PRODUCTS



GUYING PRODUCTS



CONDUCTOR SPLICING PRODUCTS



OTHER DISTRIBUTION LINE PRODUCTS



TRANSMISSION PRODUCTS

SPACER DAMPERS



SUSPENSION CLAMPS



YOKE PLATES



STRING HARDWARE PRODUCTS

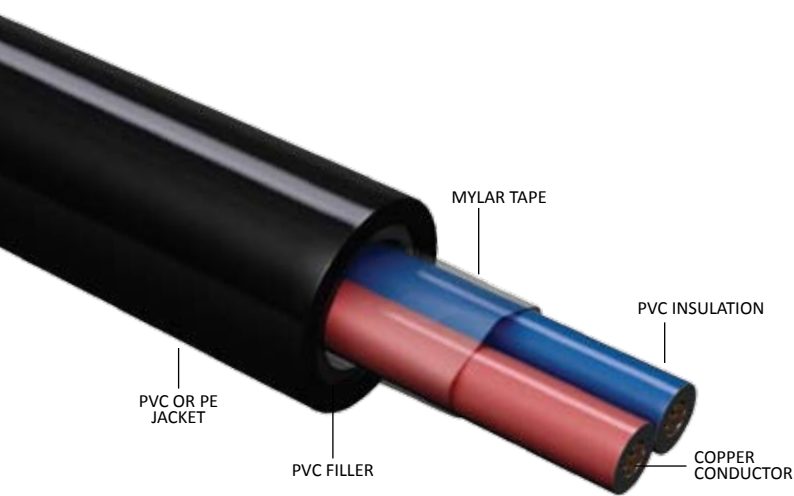


CLEVIS COMPRESSION DEAD-END PRODUCTS





DURAPOWERTM CABLE
600 V (PVC)



APPLICATION
Used for circuits rated 600 Volts where installation is done in conduits, trays, troughs, underground ducts and aerial. Maximum operating temperature is 75°C.

CONDUCTOR
One, two, three, or four stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
The individual conductor is extruded with Polyvinyl Chloride (PVC) 75°C Lead Free which is resistant to heat, gas, and oil, and is flame retardant.

JACKET
Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free for final protective covering.

Reference Specification:
ICEA S-61-402
ICEA S-95-658
ASTM

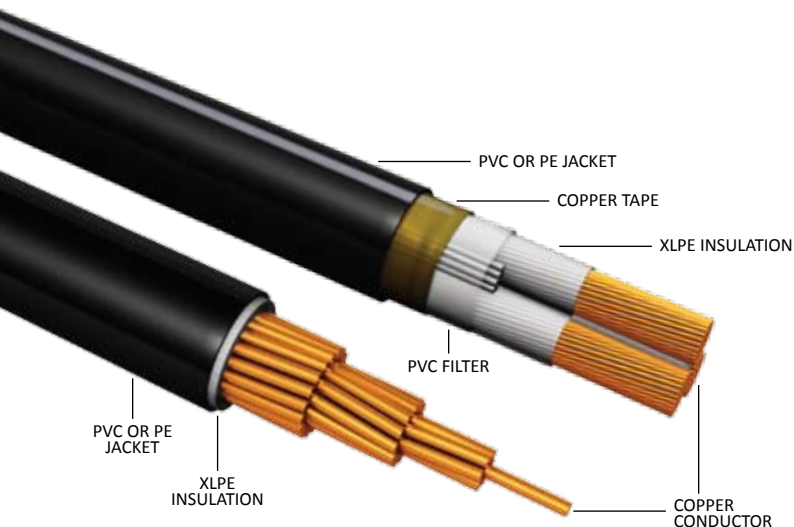
DURAPOWERTM CABLE, 600 VOLTS
3 Conductors, PVC 75°C Insulation, PVC 75°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Cable Nominal Weight
	MM	MM	MM	MM	KG/KM
8 mm²	7 x 1.2 mm	1.6	1.52	17.93	496.34
14 mm²	7 x 1.6 mm	1.6	1.52	20.52	732.45
22 mm²	7 x 2.0 mm	1.6	2.03	24.13	1073.75
30 mm²	7 x 2.3 mm	1.6	2.03	26.08	1328.93
38 mm²	19 x 1.6 mm	2.0	2.03	30.18	1741.81
50 mm²	19 x 1.8 mm	2.0	2.03	32.34	2098.11
60 mm²	19 x 2.0 mm	2.0	2.03	34.50	2489.11
80 mm²	19 x 2.3 mm	2.0	2.03	37.74	3143.02
100 mm²	19 x 2.6 mm	2.0	2.03	40.98	3876.16
125 mm²	37 x 2.1 mm	2.4	2.79	47.90	5079.86
150 mm²	37 x 2.3 mm	2.4	2.79	50.92	5937.32
200 mm²	37 x 2.6 mm	2.4	2.79	55.46	7348.52
500 MCM	37 x 2.95 mm	2.4	2.79	60.86	9239.46
325 mm²	61 x 2.6 mm	2.8	2.79	68.42	11698.40

Note: Jacket Material can also be Polyethylene (PE) as per customer’s requirements.



DURAPOWERTM CABLE
600 V (XLPE)



APPLICATION
Used for circuits rated 600 Volts where installation is done in conduits, trays, troughs, underground ducts and aerial. Maximum operating temperature is 90°C.

CONDUCTOR
One, two, three, or four stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
The individual conductor is extruded with Cross-Linked Polyethylene (XLPE) for primary insulation.

JACKET
Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free for final protective covering.

Reference Specification:
ICEA S-66-524
ICEA S-95-658
ASTM
PEC (based on conductor temperature of 90°C and ambient air temperature of 30°C)
NEC (based on conductor temperature of 90°C and ambient air temperature of 30°C).

DURAPOWERTM CABLE, 600 VOLTS 90°C
Single,Non-Shielded, XLPE 90°C Insulation, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
8mm²	7 x 1.2 mm	1.14	0.38	6.64	75	98.82
14mm²	7 x 1.6 mm	1.14	0.76	8.60	105	175.35
22mm²	7 x 2.0 mm	1.14	0.76	9.80	140	255.98
30mm²	7 x 2.3 mm	1.14	0.76	10.70	170	327.05
38mm²	19 x 1.6 mm	1.40	0.76	12.32	195	425.55
50mm²	19 x 1.8 mm	1.40	1.14	14.08	235	548.85
60mm²	19 x 2.0 mm	1.40	1.14	15.08	260	661.24
80mm²	19 x 2.3 mm	1.40	1.14	16.58	320	850.57
100mm²	19 x 2.6 mm	1.40	1.14	18.08	370	1064.23
125mm²	37 x 2.1 mm	1.65	1.65	21.30	420	1391.54
150mm²	37 x 2.3 mm	1.65	1.65	23.90	475	1642.70
350 MCM	37 x 2.47 mm	1.65	1.65	24.80	570	1879.29
200mm²	37 x 2.6 mm	1.65	1.65	27.30	570	2057.82
500MCM	37 x 2.95 mm	1.65	1.65	30.06	655	2617.06
325mm²	61 x 2.6 mm	2.03	1.65	30.76	770	3320.26
400mm²	61 x 2.9 mm	2.03	1.65	33.46	875	4077.81
500mm²	61 x 3.2 mm	2.03	1.65	36.16	995	4912.87

Note: Jacket Material can also be Polyethylene (PE) as per customer’s requirements.



DURAPOWERTM CABLE
601 -2000 V (XLPE)



APPLICATION
Used for circuits rated 601 - 2000 Volts where installation is done in conduits, trays, troughs, underground ducts and aerial. Maximum operating temperature is 90°C.

CONDUCTOR
One, two, three, or four stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
The individual conductor is extruded with Cross-Linked Polyethylene (XLPE) for primary insulation, and Semi-Conductive Compound and Copper Tape for insulation shielding (for shielded type cable).

JACKET
Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free for final protective covering.

Reference Specification:
ICEA S-66-524
ICEA S-95-658
ASTM
PEC (based on conductor temperature of 90°C and ambient air temperature of 30°C.
NEC (based on conductor temperature of 90°C and ambient air temperature of 30°C.

DURAPOWERTM CABLE, 601 - 2000 VOLTS 90°C
Single, Non-Shielded, XLPE 90°C Insulation, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
8 mm²	7 x 1.2 mm	1.40	0.76	7.92	75	117.11
14 mm²	7 x 1.6 mm	1.40	0.76	9.12	105	182.63
22 mm²	7 x 2.0 mm	1.40	0.76	10.32	140	264.16
30 mm²	7 x 2.3 mm	1.40	0.76	11.22	170	335.91
38 mm²	19 x 1.6 mm	1.65	1.14	13.58	195	457.61
50 mm²	19 x 1.8 mm	1.65	1.14	14.58	235	560.09
60 mm²	19 x 2.0 mm	1.65	1.14	15.58	260	673.22
80 mm²	19 x 2.3 mm	1.65	1.14	17.08	320	863.64
100 mm²	19 x 2.6 mm	1.65	1.14	18.58	370	1078.37
125 mm²	37 x 2.1 mm	1.90	1.65	21.80	420	1408.41
150 mm²	37 x 2.3 mm	1.90	1.65	23.20	475	1660.59
350 MCM	37 x 2.47 mm	1.90	1.65	24.40	570	1898.04
200 mm²	37 x 2.6 mm	1.90	1.65	25.30	570	2077.21
500 MCM	37 x 2.95 mm	1.90	1.65	27.80	655	2638.26
325 mm²	61 x 2.6 mm	2.29	1.65	31.28	770	3344.92
400 mm²	61 x 2.9 mm	2.29	1.65	33.98	875	4104.49
500 mm²	61 x 3.2 mm	2.29	1.65	36.68	995	4941.59
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.						



DURAPOWER™ CABLE
2001 - 5000 V (XLPE)



APPLICATION
Used for circuits rated 2001 - 5000 Volts where installation is done in conduits, trays, troughs, underground ducts and aerial. Maximum operating temperature is 90°C.

CONDUCTOR
One, two, three, or four stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
The individual conductor is extruded with Semi-Conductive compound for strand shielding, Cross-Linked Polyethylene (XLPE) for primary insulation. Insulation levels are 100% and 133%, grounded and ungrounded.

JACKET
Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free for final protective covering.

Reference Specification:
ICEA S-66-524
ICEA S-95-659
ASTM
PEC (based on conductor temperature of 90°C and ambient air temperature of 30°C)
NEC (based on conductor temperature of 90°C and ambient air temperature of 30°C).

DURAPOWER™ CABLE, 2001 - 5000 VOLTS
Single, Non-Shielded, 100% and 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
8 mm ²	7 x 1.2 mm	2.29	0.76	11.10	78	166.80
14 mm ²	7 x 1.6 mm	2.29	0.76	12.30	115	238.59
22 mm ²	7 x 2.0 mm	2.29	1.14	14.26	150	350.01
30 mm ²	7 x 2.3 mm	2.29	1.14	15.16	160	428.09
38 mm ²	19 x 1.6 mm	2.29	1.14	16.26	195	525.03
50 mm ²	19 x 1.8 mm	2.29	1.14	17.26	235	632.09
60 mm ²	19 x 2.0 mm	2.29	1.14	18.26	265	749.83
80 mm ²	19 x 2.3 mm	2.29	1.14	19.76	320	947.22
100 mm ²	19 x 2.6 mm	2.29	1.65	22.28	375	1218.53
125 mm ²	37 x 2.1 mm	2.29	1.65	23.98	435	1495.33
150 mm ²	37 x 2.3 mm	2.29	1.65	25.38	520	1753.00
200 mm ²	37 x 2.6 mm	2.29	1.65	27.48	610	2177.96
500 MCM	37 x 2.95 mm	2.29	1.65	29.98	695	2749.05
325 mm ²	61 x 2.6 mm	2.29	1.65	32.68	810	3428.15
400 mm ²	61 x 2.9 mm	2.29	1.65	35.38	925	4195.42
500 mm ²	61 x 3.2 mm	2.29	1.65	38.08	1060	5040.33

Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.



DURAPOWER™ CABLE
2001 - 5000 V (XLPE)

DURAPOWER™ CABLE, 2001 - 5000 VOLTS
3 Conductors, Non-Shielded, 100% and 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
8 mm ²	7 x 1.2 mm	2.29	2.03	24.95	707.37	98.82
14 mm ²	7 x 1.6 mm	2.29	2.03	27.55	962.49	175.35
22 mm ²	7 x 2.0 mm	2.29	2.03	30.14	1269.51	255.98
30 mm ²	7 x 2.3 mm	2.29	2.03	32.08	1534.18	327.05
38 mm ²	19 x 1.6 mm	2.29	2.03	34.46	1864.33	425.55
50 mm ²	19 x 1.8 mm	2.29	2.03	36.62	2224.44	548.85
60 mm ²	19 x 2.0 mm	2.29	2.03	38.78	2619.12	661.24
80 mm ²	19 x 2.3 mm	2.29	2.03	42.02	3278.28	850.57
100 mm ²	19 x 2.6 mm	2.29	2.79	46.78	4172.40	1064.23
125 mm ²	37 x 2.1 mm	2.29	2.79	50.45	5092.53	1391.54
150 mm ²	37 x 2.3 mm	2.29	2.79	53.47	5945.39	1642.70
200 mm ²	37 x 2.6 mm	2.29	2.79	58.01	7349.35	1879.29
500 MCM	37 x 2.95 mm	2.29	2.79	63.41	9231.12	2057.82
325 mm ²	61 x 2.6 mm	2.29	3.56	70.78	11707.96	2617.06
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.						

DURAPOWER™ CABLE, 2001 - 5000 VOLTS
Single, Shielded, 100% and 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
8 mm ²	7 x 1.2 mm	2.29	1.52	14.94	78	296.62
14 mm ²	7 x 1.6 mm	2.29	1.52	16.14	115	380.77
22 mm ²	7 x 2.0 mm	2.29	1.52	17.34	150	481.03
30 mm ²	7 x 2.3 mm	2.29	1.52	18.24	160	566.92
38 mm ²	19 x 1.6 mm	2.29	1.52	19.34	195	673.42
50 mm ²	19 x 1.8 mm	2.29	1.52	20.34	235	789.22
60 mm ²	19 x 2.0 mm	2.29	2.03	22.36	265	965.44
80 mm ²	19 x 2.3 mm	2.29	2.03	23.86	320	1179.45
100 mm ²	19 x 2.6 mm	2.29	2.03	25.36	375	1417.95
125 mm ²	37 x 2.1 mm	2.29	2.03	27.06	435	1709.89
150 mm ²	37 x 2.3 mm	2.29	2.03	28.46	520	1980.13
200 mm ²	37 x 2.6 mm	2.29	2.03	30.56	610	2424.04
500 MCM	37 x 2.95 mm	2.29	2.03	33.06	695	3017.89
325 mm ²	61 x 2.6 mm	2.29	2.03	35.76	810	3721.80
400 mm ²	61 x 2.9 mm	2.29	2.03	38.46	925	4514.13
500 mm ²	61 x 3.2 mm	2.29	2.03	41.16	1060	5384.34
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.						



DURAPOWER™ CABLE
2001 - 5000 V (XLPE)

DURAPOWER™ CABLE, 2001 - 5000 VOLTS
3 Conductors, Shielded, 100% and 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Cable Nominal Weight
		MM	MM	MM	KG/KM
8 mm ²	7 x 1.2 mm	2.29	2.03	29.96	1020.99
14 mm ²	7 x 1.6 mm	2.29	2.03	32.56	1305.35
22 mm ²	7 x 2.0 mm	2.29	2.03	35.15	1641.45
30 mm ²	7 x 2.3 mm	2.29	2.03	37.09	1927.94
38 mm ²	19 x 1.6 mm	2.29	2.03	39.47	2284.76
50 mm ²	19 x 1.8 mm	2.29	2.03	41.63	2669.10
60 mm ²	19 x 2.0 mm	2.29	2.79	45.31	3239.05
80 mm ²	19 x 2.3 mm	2.29	2.79	48.55	3945.56
100 mm ²	19 x 2.6 mm	2.29	2.79	51.79	4731.02
125 mm ²	37 x 2.1 mm	2.29	2.79	55.46	5692.35
150 mm ²	37 x 2.3 mm	2.29	2.79	58.48	6579.15
200 mm ²	37 x 2.6 mm	2.29	2.79	63.02	8034.01
500 MCM	37 x 2.95 mm	2.29	2.79	68.42	9976.38
325 mm ²	61 x 2.6 mm	2.29	3.56	75.79	12535.89
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.					



DURAPOWER™ CABLE
5001 - 8000 V (XLPE)



APPLICATION
Used for circuits rated 5001 - 8000 Volts where installation is done in conduits, trays, troughs, underground ducts and aerial. Maximum operating temperature is 90°C.

CONDUCTOR
One, two, or three stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
The individual conductor is extruded with Semi-Conductive compound for strand shielding, Cross-Linked Polyethylene (XLPE) for primary insulation and Semi-Conductive compound and Copper Tape for insulation shielding. Insulation levels are 100% and 133%, grounded and ungrounded.

JACKET
Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) 90°C Lead Free for final protective covering.

Reference Specification:
ICEA S-66-524
ICEA S-93-639
ASTM
PEC (based on conductor temperature of 90°C and ambient air temperature of 40°C.
NEC (based on conductor temperature of 90°C and ambient air temperature of 40°C.

DURAPOWER™ CABLE, 5001 - 8000 VOLTS
Single, Shielded, 100% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
14 mm ²	7 x 1.6 mm	2.92	1.52	17.40	115	420.83
22 mm ²	7 x 2.0 mm	2.92	1.52	18.60	155	521.34
30 mm ²	7 x 2.3 mm	2.92	1.52	19.50	165	608.88
38 mm ²	19 x 1.6 mm	2.92	1.52	20.60	195	717.45
50 mm ²	19 x 1.8 mm	2.92	2.03	22.62	235	885.42
60 mm ²	19 x 2.0 mm	2.92	2.03	23.62	265	1016.06
80 mm ²	19 x 2.3 mm	2.92	2.03	25.12	320	1232.86
100 mm ²	19 x 2.6 mm	2.92	2.03	26.62	375	1474.15
125 mm ²	37 x 2.1 mm	2.92	2.03	28.32	435	1769.27
150 mm ²	37 x 2.3 mm	2.92	2.03	29.72	520	2042.11
200 mm ²	37 x 2.6 mm	2.92	2.03	31.82	600	2489.93
500 MCM	37 x 2.95 mm	2.92	2.03	34.32	685	3088.44
325 mm ²	61 x 2.6 mm	2.92	2.03	37.02	800	3797.37
400 mm ²	61 x 2.9 mm	2.92	2.03	39.72	910	4594.73
500 mm ²	61 x 3.2 mm	2.92	2.79	43.94	1050	5616.38
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.						



POWER CABLES

DURAPOWER™ CABLE
5001 - 8000 V (XLPE)

DURAPOWER™ CABLE, 5001 - 8000 VOLTS
Single, Shielded, 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

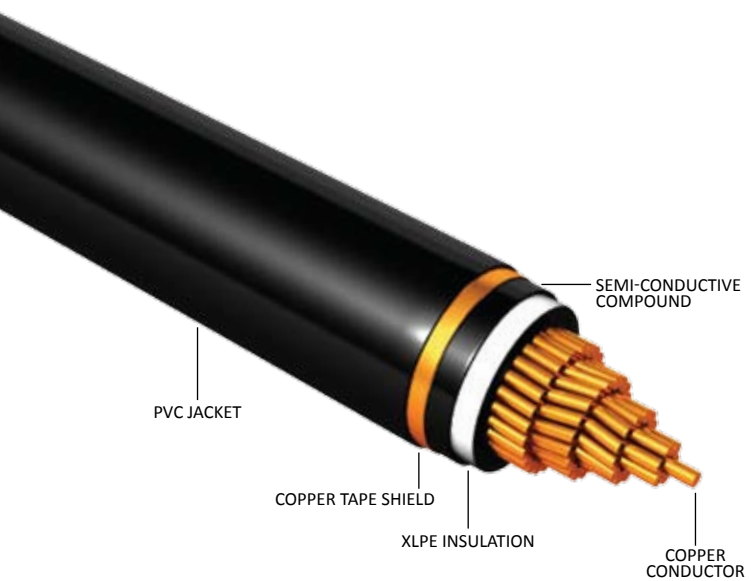
Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
14 mm ²	7 x 1.6 mm	3.56	1.52	18.68	115	459.90
22 mm ²	7 x 2.0 mm	3.56	1.52	19.88	155	564.67
30 mm ²	7 x 2.3 mm	3.56	1.52	20.78	165	653.93
38 mm ²	19 x 1.6 mm	3.56	2.03	22.90	195	815.52
50 mm ²	19 x 1.8 mm	3.56	2.03	23.90	235	937.34
60 mm ²	19 x 2.0 mm	3.56	2.03	24.90	265	1069.88
80 mm ²	19 x 2.3 mm	3.56	2.03	26.40	320	1289.52
100 mm ²	19 x 2.6 mm	3.56	2.03	27.90	375	1533.66
125 mm ²	37 x 2.1 mm	3.56	2.03	29.60	435	1831.99
150 mm ²	37 x 2.3 mm	3.56	2.03	31.00	520	2107.48
200 mm ²	37 x 2.6 mm	3.56	2.03	33.10	600	2559.28
500 MCM	37 x 2.95 mm	3.56	2.03	35.60	685	3162.51
325 mm ²	61 x 2.6 mm	3.56	2.03	38.30	800	3876.55
400 mm ²	61 x 2.9 mm	3.56	2.03	41.00	910	4679.03
500 mm ²	61 x 3.2 mm	3.56	2.79	45.22	1050	5710.12
Note: Insulation level can also be 100% as per customer's requirements.						

DURAPOWER™ CABLE, 5001 - 8000 VOLTS
3 Conductors, Shielded, 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Cable Nominal Weight
		MM	MM	MM	KG/KM
14 mm ²	7 x 1.6 mm	3.56	2.03	38.04	1612.45
22 mm ²	7 x 2.0 mm	3.56	2.03	40.63	1949.82
30 mm ²	7 x 2.3 mm	3.56	2.79	44.10	2415.83
38 mm ²	19 x 1.6 mm	3.56	2.79	46.47	2798.14
50 mm ²	19 x 1.8 mm	3.56	2.79	48.63	3206.11
60 mm ²	19 x 2.0 mm	3.56	2.79	50.79	3648.41
80 mm ²	19 x 2.3 mm	3.56	2.79	54.03	4379.04
100 mm ²	19 x 2.6 mm	3.56	2.79	57.27	5188.58
125 mm ²	37 x 2.1 mm	3.56	2.79	60.95	6177.22
150 mm ²	37 x 2.3 mm	3.56	2.79	63.97	7086.51
200 mm ²	37 x 2.6 mm	3.56	2.79	68.51	8575.11
Note: Insulation level can also be 100% as per customer's requirements.					



DURAPOWERTM CABLE
8001 - 15000 V (XLPE)



APPLICATION
Used for circuits rated 8001 - 15000 Volts where installation is done in conduits, trays, troughs, underground ducts and aerial. Maximum operating temperature is 90°C.

CONDUCTOR
One, two, or three stranded soft drawn copper conductors. Available sizes are listed on the next page.

INSULATION
The individual conductor is extruded with Semi-Conductive compound for strand shielding, Cross-Linked Polyethylene (XLPE) for primary insulation and Semi-Conductive compound and Copper Tape for insulation shielding. Insulation levels are 100% and 133%, grounded and ungrounded.

JACKET
Single or assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) 90°C Lead Free for final protective covering.

Reference Specification:
ICEA S-66-524
ICEA S-93-639
ASTM
PEC (based on conductor temperature of 90°C and ambient air temperature of 40°C.
NEC (based on conductor temperature of 90°C and ambient air temperature of 40°C.

DURAPOWERTM CABLE, 8001 - 15000 VOLTS
Single, Shielded, 100% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
30 mm²	7 x 2.3 mm	4.45	2.03	23.58	165	773.09
38 mm²	19 x 1.6 mm	4.45	2.03	24.68	195	889.30
50 mm²	19 x 1.8 mm	4.45	2.03	25.68	235	1013.59
60 mm²	19 x 2.0 mm	4.45	2.03	26.68	265	1148.76
80 mm²	19 x 2.3 mm	4.45	2.03	28.18	320	1372.35
100 mm²	19 x 2.6 mm	4.45	2.03	29.68	375	1620.42
125 mm²	37 x 2.1 mm	4.45	2.03	31.38	435	1923.23
150 mm²	37 x 2.3 mm	4.45	2.03	32.78	520	2202.39
200 mm²	37 x 2.6 mm	4.45	2.03	34.88	600	2659.73
500 MCM	37 x 2.95 mm	4.45	2.03	37.38	685	3269.54
325 mm²	61 x 2.6 mm	4.45	2.03	40.08	800	3990.70
400 mm²	61 x 2.9 mm	4.45	2.79	44.30	910	4947.89
500 mm²	61 x 3.2 mm	4.45	2.79	47.00	1050	5844.52
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.						

DURAPOWER™ CABLE
8001 - 15000 V (XLPE)

DURAPOWER™ CABLE, 8001 - 15000 VOLTS
Single, Shielded, 133% XLPE 90°C Insulation Level, PVC 90°C Jacket

Size	No. & Nominal Diameter of Wire	XLPE 90°C Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	*Ampacity	Cable Nominal Weight
		MM	MM	MM		KG/KM
30 mm²	7 x 2.3 mm	5.46	2.03	25.60	165	859.02
38 mm²	19 x 1.6 mm	5.46	2.03	26.70	195	978.34
50 mm²	19 x 1.8 mm	5.46	2.03	27.70	235	1105.80
60 mm²	19 x 2.0 mm	5.46	2.03	28.70	265	1243.94
80 mm²	19 x 2.3 mm	5.46	2.03	30.20	320	1472.02
100 mm²	19 x 2.6 mm	5.46	2.03	31.70	375	1724.57
125 mm²	37 x 2.1 mm	5.46	2.03	33.40	435	2032.46
150 mm²	37 x 2.3 mm	5.46	2.03	34.80	520	2315.80
200 mm²	37 x 2.6 mm	5.46	2.03	36.90	600	2779.41
500 MCM	37 x 2.95 mm	5.46	2.03	39.40	685	3396.69
325 mm²	61 x 2.6 mm	5.46	2.03	42.10	800	4125.90
400 mm²	61 x 2.9 mm	5.46	2.79	46.32	910	5098.01
500 mm²	61 x 3.2 mm	5.46	2.79	49.02	1050	6002.70
Note: Jacket Material can also be Polyethylene (PE) as per customer's requirements.						



ZINC-COATED STEEL WIRE STRAND, EHS GRADE



ZINC-COATED STEEL WIRE

APPLICATION

Used as guys, messenger, span wires and for similar purposes.

MESSENGER WIRE

7 steel wire strands with Class A Zinc coating and Extra High Strength Grade

Reference Specification:
ASTM A 475
A90

Size		No. & Nominal Diameter of Wire	Grade	Lay Direction	Zinc Coating Grade	Zinc Coating (Min.)	Breaking Strength (Min.)	Elongation (Min.)	Standard Length
INCHES	MM	MM				oz/ft ²	lbf		
5/16	7.94	7 x 2.64	Extra High Strength	Left Hand	Class A	0.80	11,200	4%	1524
3/8	9.52	7 x 3.05	Extra High Strength	Left Hand	Class A	0.85	15,400	4%	1524
7/16	11.11	7 x 3.68	Extra High Strength	Left Hand	Class A	0.90	20,800	4%	1524
* Please refer to American Standard for Testing Materials (ASTM A 475).									



BARE COPPER



COPPER WIRE
(L-H LAY)

APPLICATION
Suitable for use as overhead transmission and distribution lines. Stranded conductor offers higher flexibility and may also be applied as uninsulated hook up, jumper and ground wires in an electrical construction.

CONDUCTOR
Solid or stranded, soft drawn, medium hard or hard drawn copper conductor. Available sizes are listed on the next page.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
Size (AWG or MM)
- 3. Specifications

Reference Specification:
PNS 1207
ASTM B1, B2, B3 and B8

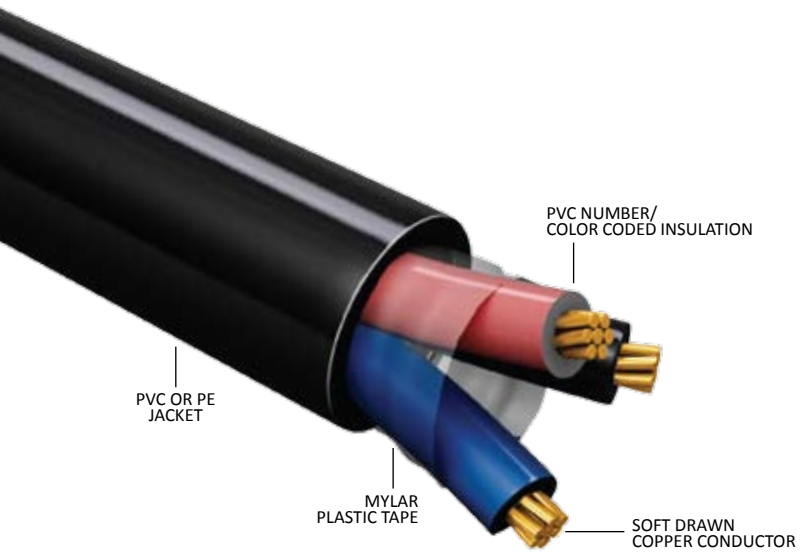
BARE COPPER

SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Nominal Overall Diameter	Nominal Weight
MM	Approximate AWG	MM	MM	KG/KM
Solid				
1.6 mm	14		1.60	17.88
2.0 mm	12		2.00	27.93
2.6 mm	10		2.60	47.20
3.2 mm	8		3.20	71.49
Stranded				
2.0 mm ²	14/7	7 x 0.60 mm	1.80	17.80
3.5 mm ²	12/7	7 x 0.80 mm	2.40	31.66
5.5 mm ²	10/7	7 x 1.00 mm	3.00	49.46
8.0 mm ²	8/7	7 x 1.20 mm	3.60	71.19
14 mm ²	6/7	7 x 1.60 mm	4.80	126.70
22 mm ²	4/7	7 x 2.00 mm	6.00	197.90
30 mm ²	2/7	7 x 2.30 mm	6.90	261.70
38 mm ²	1-19	19 x 1.60 mm	8.00	343.70
50 mm ²	1/0-19	19 x 1.80 mm	9.00	435.10
60 mm ²	2/0-19	19 x 2.00 mm	10.00	537.00
80 mm ²	3/0-19	19 x 2.30 mm	11.50	710.30
100 mm ²	4/0-19	19 x 2.60 mm	13.00	907.60
125 mm ²	250 MCM	37 x 2.10 mm	14.70	1158.00
150 mm ²	300 MCM	37 x 2.30 mm	16.10	1390.00
200 mm ²	400 MCM	37 x 2.60 mm	18.20	1776.00
	500 MCM	37 x 2.95 mm	20.65	2300.00
250 mm ²	500 MCM	61 x 2.30 mm	20.70	2300.00
325 mm ²	650 MCM	61 x 2.60 mm	23.40	2937.00
	750 MCM	61 x 2.82 mm	25.30	3450.00
400 mm ²	800 MCM	61 x 2.90 mm	26.10	3654.00
500 mm ²	1000 MCM	61 x 3.20 mm	28.80	4448.00

* Contact sales department for standard length.



CONTROL CABLE



APPLICATION

Used for control wiring such as for monitoring, data reading, conveyance of information as in telemetering, communication, temperature, pressure, and flow. May either be installed aerially, in ducts, conduits, or trays, or directly buried. Also recommended for application requiring reliable, stable electrical characteristics under severe service. Maximum circuit voltage is 600 Volts at maximum operating temperature of 75°C.

CONDUCTOR

Multi-conductor stranded soft drawn copper. Available sizes are listed on the next page.

INSULATION

Individual conductor is extruded with Polyvinyl Chloride (PVC) 75°C Lead Free, color or number coded, resistant to heat, moisture, oil, and is flame retardant.

JACKET

Assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free or Polyethylene (PE) for final protective covering.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Number of Conductors
- 3. Type of Insulation
 - a. Temperature Rating
 - b. Coding (Color/Number/Stripes)
- 4) Type of Jacket

Reference Specification:
ICEA S - 61 - 402
ICEA S - 73 - 533

CONTROL CABLE, 1.25 mm², 600 VOLTS, 75°C

Number of Conductors	Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	
				KG/KM	
	MM	MM	MM	PVC Jacket	PE Jacket
2	0.80	1.14	8.62	92.34	79.52
3	0.80	1.14	9.11	113.60	99.92
4	0.80	1.14	9.91	132.34	117.26
5	0.80	1.14	10.77	161.10	144.49
6	0.80	1.14	11.69	196.74	178.49
7	0.80	1.14	11.69	202.52	184.27
8	0.80	1.14	12.64	228.61	208.66
9	0.80	1.52	14.32	277.85	248.41
10	0.80	1.52	15.52	307.45	275.17
11	0.80	1.52	15.52	328.06	295.78
12	0.80	1.52	16.01	352.37	318.92
13	0.80	1.52	16.78	378.76	343.47
14	0.80	1.52	16.78	399.37	364.08
15	0.80	1.52	17.70	426.96	389.46
16	0.80	1.52	17.70	447.57	410.07
17	0.80	1.52	18.59	474.95	435.30
18	0.80	1.52	18.59	495.56	455.91
19	0.80	1.52	18.59	516.17	476.52
20	0.80	1.52	19.54	544.03	502.08
21	0.80	1.52	19.54	564.64	522.69
22	0.80	1.52	20.46	592.32	548.12
23	0.80	1.52	20.46	612.93	568.73
24	0.80	2.03	22.68	692.48	628.66
25	0.80	2.03	22.68	713.09	649.27

* Contact sales department for standard length.



CONTROL CABLE

CONTROL CABLE, 2.0 mm², 600 VOLTS, 75°C

Number of Conductors	Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	
				KG/KM	
	MM	MM	MM	PVC Jacket	PE Jacket
2	1.20	1.14	10.88	142.72	125.91
3	1.20	1.14	11.55	177.44	159.44
4	1.20	1.14	12.65	206.58	186.62
5	1.20	1.52	14.58	278.07	248.02
6	1.20	1.52	15.84	340.65	307.60
7	1.20	1.52	15.84	347.74	314.69
8	1.20	1.52	17.14	392.42	356.26
9	1.20	1.52	18.4	436.84	397.65
10	1.20	1.52	20.04	484.21	441.04
11	1.20	1.52	20.04	519.07	475.90
12	1.20	1.52	20.71	559.09	514.28
13	1.20	2.03	22.78	651.98	584.84
14	1.20	2.03	22.78	686.83	622.69
15	1.20	2.03	24.04	734.28	666.09
16	1.20	2.03	24.04	769.14	700.95
17	1.20	2.03	25.26	816.19	744.07
18	1.20	2.03	25.26	851.05	778.93
19	1.20	2.03	25.26	885.89	813.77
20	1.20	2.03	26.56	933.87	857.54
21	1.20	2.03	26.56	968.72	892.39
22	1.20	2.03	27.82	1016.32	935.88
23	1.20	2.03	27.82	1051.18	970.74
24	1.20	2.03	29.46	1102.66	1016.87
25	1.20	2.03	29.46	1137.52	1051.73
* Contact sales department for standard length.					

CONTROL CABLE, 3.5 mm², 600 VOLTS, 75°C

Number of Conductors	Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	
				KG/KM	
	MM	MM	MM	PVC Jacket	PE Jacket
2	1.20	1.14	12.08	191.13	172.18
3	1.20	1.14	12.85	243.01	222.68
4	1.20	1.52	14.86	311.43	280.72
5	1.20	1.52	16.20	382.12	348.21
6	1.20	1.52	17.64	469.50	432.14
7	1.20	1.52	17.64	485.89	448.53
8	1.20	1.52	19.13	549.87	508.92
9	1.20	1.52	20.57	613.55	569.10
10	1.20	2.03	23.46	732.10	665.82
11	1.20	2.03	23.46	784.75	718.47
12	1.20	2.03	24.23	845.08	776.29
13	1.20	2.03	25.43	909.77	837.11
14	1.20	2.03	25.43	962.41	889.75
15	1.20	2.03	26.87	1029.57	952.24
16	1.20	2.03	26.87	1082.21	1004.88
17	1.20	2.03	28.26	1148.95	1067.09
18	1.20	2.03	28.26	1201.60	1119.74
19	1.20	2.03	28.26	1254.24	1172.38
20	1.20	2.03	29.75	1322.02	1235.29
21	1.20	2.03	29.75	1374.67	1287.94
22	1.20	2.03	31.19	1442.03	1350.56
23	1.20	2.03	31.19	1494.67	1403.02
24	1.20	2.03	33.06	1566.56	1468.89
25	1.20	2.03	33.06	1619.20	1521.53
* Contact sales department for standard length.					

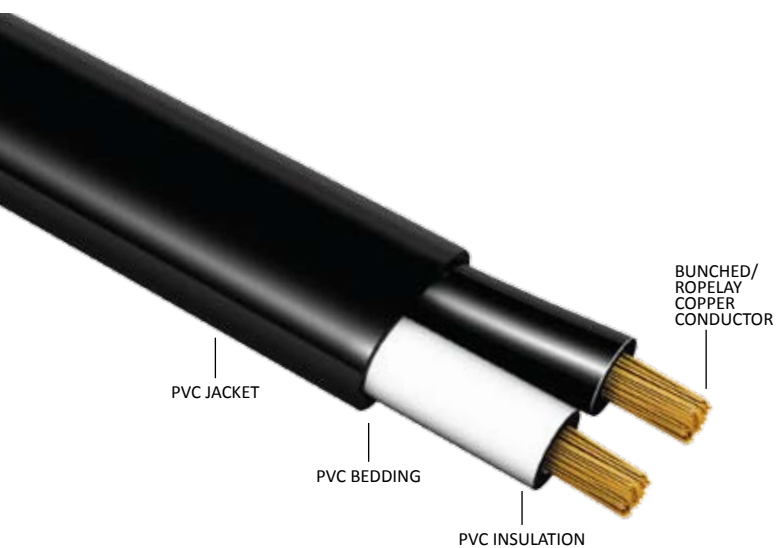
CONTROL CABLE

CONTROL CABLE, 5.5 mm², 600 VOLTS, 75°C

Number of Conductors	Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	
				KG/KM	
	MM	MM	MM	PVC Jacket	PE Jacket
2	1.20	1.52	14.04	271.49	242.72
3	1.20	1.52	14.90	345.94	315.12
4	1.20	1.52	16.31	411.26	377.09
5	1.20	1.52	17.82	507.31	469.52
6	1.20	1.52	19.44	624.44	582.93
7	1.20	1.52	19.44	653.12	611.41
8	1.20	2.03	22.13	789.06	726.99
9	1.20	2.03	23.75	879.79	812.53
10	1.20	2.03	25.86	975.50	901.44
11	1.20	2.03	25.86	1050.07	976.01
12	1.20	2.03	26.72	1133.36	1056.50
13	1.20	2.03	28.07	1221.60	1140.35
14	1.20	2.03	28.07	1296.17	1214.92
15	1.20	2.03	29.69	1387.22	1300.67
16	1.20	2.03	29.69	1461.79	1675.24
17	1.20	2.03	31.26	1552.39	1460.68
18	1.20	2.03	31.26	1626.96	1535.25
19	1.20	2.03	31.26	1701.53	1609.82
20	1.20	2.03	32.93	1793.31	1696.06
21	1.20	2.03	32.93	1867.89	1770.64
22	1.20	2.03	34.55	1959.19	1856.55
23	1.20	2.03	34.55	2033.77	1931.13
24	1.20	2.03	36.66	2130.23	2020.55
25	1.20	2.03	36.66	2204.80	2095.12
* Contact sales department for standard length.					



SERVICE CORD, SJT
(DURACORD™)



APPLICATION
Used as portable cable, emergency wire or inside building wiring in circuits not exceeding 300 Volts (0.75 mm² - 3.5 mm²) and 600 Volts (5.5 mm² - 30 mm²) respectively at maximum temperature rating of 60°C. Normally used in areas where high flexibility is required.

CONDUCTOR
Two, three or four soft drawn bunched / ropelay copper conductors. Available sizes are listed on the next page.

INSULATION
Individual conductor is extruded with Polyvinyl Chloride (PVC) Lead Free color coded (for circuit identification). This thermoplastic is flame retardant and resistant to moisture.

JACKET
Assembled multi-conductor cable is extruded with Black Polyvinyl Chloride (PVC) Lead Free for final protective covering.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Number of conductors
- 3. Specifications

Reference Specification:
PNS 163
UL 62
PEC
ICEA specification

DURACORD CABLE, 300 VOLTS, 60°C, SJT
2 Conductors, Flexible Bunched Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
0.75 mm ²	18	30 x 0.18 mm	0.80	1.00	7.40	74.16	75 m/coil
1.25 mm ²	16	50 x 0.18 mm	0.80	1.00	8.20	95.43	75 m/coil
2.00 mm ²	14	37 x 0.26 mm	0.80	1.00	8.80	117.69	75 m/coil
3.50 mm ²	12	45 x 0.32 mm	0.80	1.20	10.60	181.44	75 m/coil

DURACORD CABLE, 300 VOLTS, 60°C, SJT
3 Conductors, Flexible Bunched Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
0.75 mm ²	18	30 x 0.18 mm	0.80	1.00	7.83	87.56	75 m/coil
1.25 mm ²	16	50 x 0.18 mm	0.80	1.00	8.70	114.41	75 m/coil
2.00 mm ²	14	37 x 0.26 mm	0.80	1.00	9.34	143.69	75 m/coil
3.50 mm ²	12	45 x 0.32 mm	0.80	1.20	11.26	224.53	75 m/coil

DURACORD CABLE, 300 VOLTS, 60°C, SJT
4 Conductors, Flexible Bunched Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
0.75 mm ²	18	30 x 0.18 mm	0.80	1.00	8.53	106.36	75 m/coil
1.25 mm ²	16	50 x 0.18 mm	0.80	1.00	9.50	140.54	75 m/coil
2.00 mm ²	14	37 x 0.26 mm	0.80	1.00	10.23	178.15	75 m/coil
3.50 mm ²	12	45 x 0.32 mm	0.80	1.20	12.32	279.90	75 m/coil



SERVICE CORD (DURACORD™)

DURACORD CABLE, 600 VOLTS, 75°C
2 Conductors, Flexible Bunched/Ropelay Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
0.75mm ²	18	30x0.18mm	0.80	1.14	8.55	63.79	75m/roll
1.25mm ²	16	50x0.18mm	0.80	1.14	9.35	80.81	75m/roll
2.0mm ²	14	37x0.26mm	1.14	1.14	12.55	17.91	75m/roll
3.50mm ²	12	45x0.32mm	1.14	1.14	14.55	163.64	75m/roll

DURACORD CABLE, 600 VOLTS,75°C
2 Conductors, Flexible Bunched/Ropelay Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
5.5mm ²	10	70x0.32mm	1.14	1.52	14.20	213.92	75m/roll
8.0mm ²	8	7x14x0.32mm	1.52	1.52	18.00	350.24	75m/roll
14mm ²	6	7x25x0.32mm	1.52	2.03	20.40	504.77	75m/roll
22mm ²	4	7x39x0.32mm	1.52	2.03	24.40	869.49	75m/roll
30mm ²	2	7x53x0.32mm	1.52	2.03	26.60	1,084.67	75m/roll

DURACORD CABLE, 600 VOLTS,75°C
3 Conductors, Flexible Bunched/Ropelay Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
0.75mm ²	18	30x0.18mm	0.80	1.14	8.98	80.07	75m/roll
1.25mm ²	16	50x0.18mm	0.80	1.14	9.85	103.29	75m/roll
2.0mm ²	14	37x0.26mm	1.14	1.14	13.22	154.81	75m/roll
3.50mm ²	12	45x0.32mm	1.14	1.14	15.32	220.11	75m/roll

DURACORD CABLE, 600 VOLTS,75°C
3 Conductors, Flexible Bunched/Ropelay Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
5.5mm ²	10	70x0.32mm	1.14	1.52	15.06	318.04	75m/roll
8.0mm ²	8	7x14x0.32mm	1.52	1.52	19.18	518.61	75m/roll
14mm ²	6	7x25x0.32mm	1.52	2.03	23.01	817.81	75m/roll
22mm ²	4	7x39x0.32mm	1.52	2.03	26.03	1,136.79	75m/roll
30mm ²	2	7x53x0.32mm	1.52	2.03	28.41	1,430.39	75m/roll

DURACORD CABLE, 600 VOLTS,75°C
4 Conductors, Flexible Bunched/Ropelay Copper

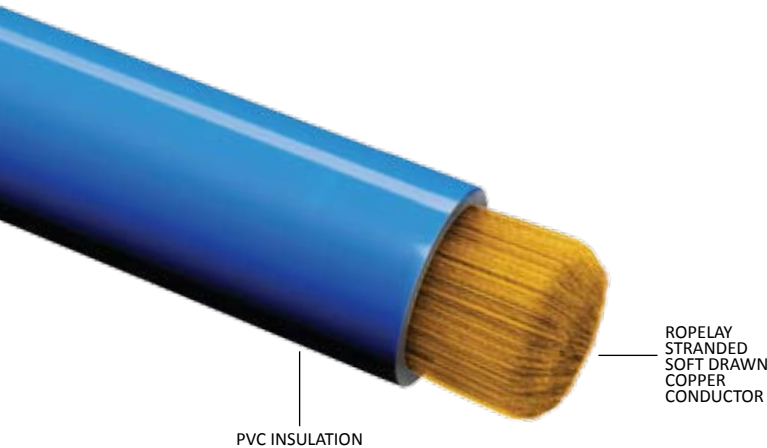
Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
0.75mm ²	18	30x0.18mm	0.80	1.14	9.68	97.95	75m/roll
1.25mm ²	16	50x0.18mm	0.80	1.14	10.65	128.00	75m/roll
2.0mm ²	14	37x0.26mm	1.14	1.14	14.31	194.15	75m/roll
3.50mm ²	12	45x0.32mm	1.14	1.14	16.57	306.08	75m/roll

DURACORD CABLE, 600 VOLTS,75°C
4 Conductors, Flexible Bunched/Ropelay Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Jacket Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	MM	KG/KM	
5.5mm ²	10	70x0.32mm	1.14	1.52	16.51	402.07	75m/roll
8.0mm ²	8	7x14x0.32mm	1.52	1.52	21.91	654.93	75m/roll
14mm ²	6	7x25x0.32mm	1.52	2.03	25.30	1,031.04	75m/roll
22mm ²	4	7x39x0.32mm	1.52	2.03	28.68	1,442.49	75m/roll
30mm ²	2	7x53x0.32mm	1.52	2.03	31.35	1,824.64	75m/roll



BATTERY CABLE



APPLICATION

Used as high temperature wire for electrical connections of supply (battery) and load in circuits not exceeding 50 Volts at maximum operating temperature of 105°C.

CONDUCTOR

Soft drawn ropelay copper conductors. Available sizes are listed on the next page.

INSULATION

Polyvinyl Chloride (PVC) is resistant to oil, acids, alkalies, salts and ozone. This thermoplastic is a flame retardant compound.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
- 3. Specifications

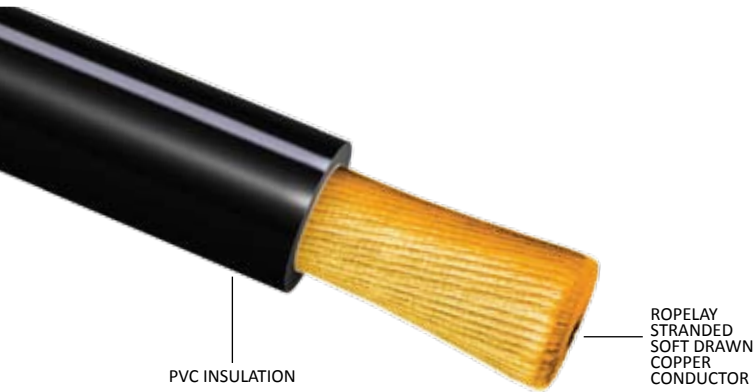
Reference Specification:
ASTM B230, B231, B232, B489
ICEA S-61-402
ICEA S-76-474

BATTERY CABLE, 50 VOLTS, 105°C

Size of Conductor		No. & Nominal Diameter of Wire	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	KG/KM	
8.0 mm ²	8	7 x 14 x 0.32 mm	12	216.28	300
14 mm ²	6	7 x 25 x 0.32 mm	12	259.29	300
22 mm ²	4	7 x 39 x 0.32 mm	12	313.84	300
30 mm ²	2	7 x 53 x 0.32 mm	13	397.56	300



ARC WELDING CABLE



APPLICATION
Used for connections from electrode holder and clamp to arc welder, bus, welding bus, or transformer in shipyards, mines, and all hazardous locations. Applicable on circuits not exceeding 600 Volts at maximum conductor temperature of 105°C.

CONDUCTOR
Soft drawn ropelay copper conductors. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) is resistant to oil, acids, alkalies, salts, and ozone. This thermoplastic is a flame retardant compound.

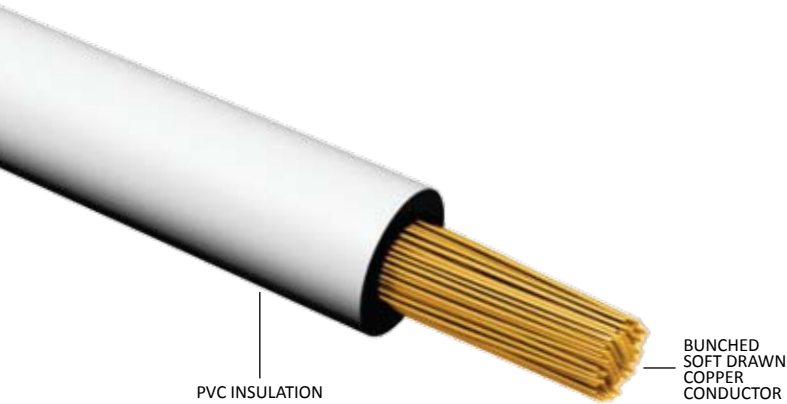
- Please provide the following when ordering:
- 1. Quantity
 - 2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
 - 3. Specifications

ARC WELDING CABLE, 600 VOLTS, 105°C

Size of Conductor		No. & Nominal Diameter of Wire	Insulation Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	KG/KM	M
14 mm ²	6	7 x 25 x 0.32 mm	2.20	10.0	209.87	150
22 mm ²	4	7 x 39 x 0.32 mm	2.50	12.0	313.84	150
30 mm ²	2	7 x 53 x 0.32 mm	2.95	14.0	427.89	300
38 mm ²	1	19 x 25 x 0.32 mm	3.34	16.0	553.69	300
50 mm ²	1/0	19 x 33 x 0.32 mm	3.30	17.0	679.89	300
60 mm ²	2/0	19 x 39 x 0.32 mm	3.67	19.0	817.96	300
80 mm ²	3/0	19 x 53 x 0.32 mm	3.75	21.0	1058.87	300
100 mm ²	4/0	37 x 34 x 0.32 mm	3.90	23.0	1294.64	300



PVC TYPE
AUTOMOTIVE WIRE



APPLICATION
Used to connect electrical circuits in any automobile or vehicle. Maximum voltage rating is 50 Volts at maximum conductor temperature of 105°C.

CONDUCTOR
Soft drawn bunched copper conductor. Available sizes are listed on the next page.

INSULATION
Polyvinyl Chloride (PVC) is resistant to oil, acids, alkalines, salts, and ozone. This thermoplastic is a flame retardant compound.

Please provide the following when ordering:

- 1. Quantity
- 2. Construction requirements
 - a. Size (AWG or MM)
- 3. Insulation color, maximum of eight (8) colors available.

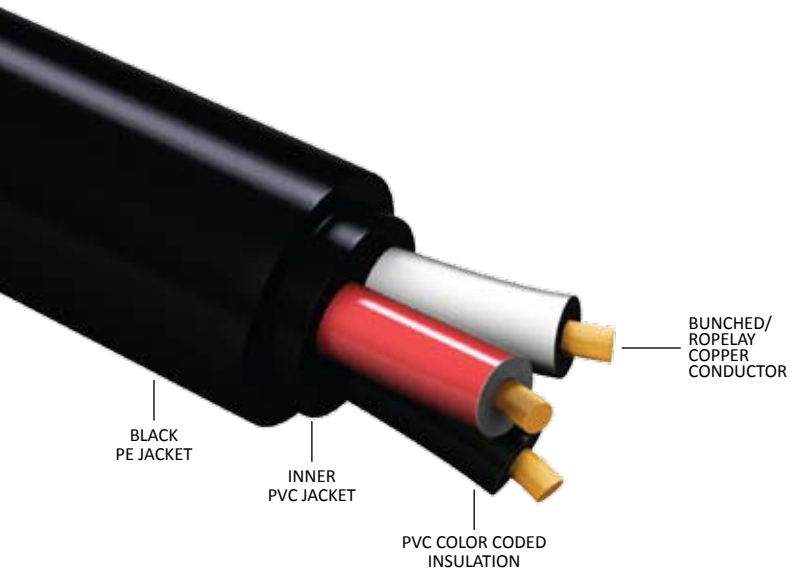
Reference Specification:
PNS 261

PVC TYPE AUTOMOTIVE WIRE CABLE, 50 VOLTS, 105°C
Flexible Bunched Copper Conductor

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	Approximate Overall Diameter	Nominal Weight	Standard Length
MM	Approximate AWG		MM	MM	KG/KM	M
0.75 mm ²	18	30 x 0.18 mm	0.60	2.4	11.86	60
1.25 mm ²	16	50 x 0.18 mm	0.60	2.7	17.33	60
2.0 mm ²	14	26 x 0.32 mm	0.60	3.1	24.75	60
3.5 mm ²	12	45 x 0.32 mm	0.70	3.9	43.22	60
5.5 mm ²	10	70 x 0.32 mm	0.80	4.7	65.60	60



SUBMERSIBLE PUMP CABLE



APPLICATION

Used to connect electrical circuits of underground pump rated at 600 volts maximum circuit voltage rating and 75°C maximum conductor thermal rating.

CONDUCTOR

Three soft drawn bunched/ropelay copper conductors. Available sizes are listed on the next page.

INSULATION

Individual conductor is color-coded extruded with Polyvinyl Chloride (PVC) Lead Free. This Thermoplastic is flame retardant and resistant to heat, moisture and oil.

JACKET

Assembled multi-conductor cable is extruded with Polyvinyl Chloride (PVC) Lead Free and then with Black Polyethylene (PE) for final protective covering.

Please provide the following when ordering:

1. Quantity
2. Construction requirements
 - a. Size (AWG or MM)
 - b. Code Word
3. Specifications

Reference Specification:
UL 493
ASTM
UL 83

SUBMERSIBLE PUMP CABLE, 600 VOLTS, 75°C 3 Conductors, Flexible Bunched/Ropelay Copper

Size of Conductor		No. & Nominal Diameter of Wire	PVC Insulation Thickness	PE Jacket Thickness	Approximate Overall Diameter	Nominal Weight
MM	Approximate AWG		MM	MM	MM	KG/KM
0.75 mm ²	18	30 x 0.18 mm	1.20	1.60	12.36	161.83
1.25 mm ²	16	50 x 0.18 mm	1.20	1.60	13.22	195.21
2.00 mm ²	14	37 x 0.26 mm	1.20	1.60	13.87	229.28
3.50 mm ²	12	45 x 0.32 mm	1.20	1.60	15.38	311.28
5.50 mm ²	10	70 x 0.32 mm	1.20	1.60	16.68	399.55
8.00 mm ²	8	7 x 14 x 0.32 mm	1.60	2.00	22.18	603.97
14.00 mm ²	6	7 x 25 x 0.32 mm	1.60	2.00	25.21	865.69
22.00 mm ²	4	7 x 39 x 0.32 mm	1.60	2.00	28.23	1179.65
30.00 mm ²	2	7 x 53 x 0.32 mm	1.60	2.00	30.61	1477.37
38.00 mm ²	1	19 x 25 x 0.32 mm	2.00	2.00	34.50	1899.96
50.00 mm ²	1/0	19 x 33 x 0.32 mm	2.00	2.00	37.30	2352.93
60.00 mm ²	2/0	19 x 39 x 0.32 mm	2.00	2.00	39.90	2713.35
80.00 mm ²	3/0	19 x 53 x 0.32 mm	2.00	2.80	45.17	3574.58
100.00 mm ²	4/0	37 x 34 x 0.32 mm	2.00	2.80	49.27	4330.96
125.00 mm ²	250 MCM	37 x 42 x 0.32 mm	2.40	2.80	54.46	5336.55
150.00 mm ²	300 MCM	37 x 51 x 0.32 mm	2.40	2.80	57.70	6266.27
200.00 mm ²	400 MCM	61 x 41 x 0.32 mm	2.40	2.80	63.96	8008.22
250.00 mm ²	500 MCM	61 x 51 x 0.32 mm	2.40	3.60	70.96	9874.79

* Contact sales department for standard length.

COMPLETED PROJECTS

LUZON AND METRO MANILA	TYPE OF WIRES & CABLES SUPPLIED
Alabang Commercial	Building Wires, Power Cables
Alabang Country Club	Building Wires
Amkor Anam Phase I & II - Laguna	Building Wires
Analog Devices	Building Wires, Communication Cables
Araneta Coliseum	Building Wires
Ayala 6750 Building	Building Wires
Ayala Land Woodside Homes	Building Wires
Bank of Philippine Islands Building	Building Wires
BASF - Canlubang	Building Wires
Central Bank of the Philippines	Building Wires
Charter Chemical	Building Wires
Clark Air Base	Building Wires
Coca-Cola - Antipolo	Building Wires
Coca-Cola - Meycauayan	Building Wires, Communication Cables
Commodore Philippines	Building Wires
Consolidated Foods Industries	Power Cables
Cosmopolitan Building	Building Wires, Power Cables
Cultural Center of the Philippines	Building Wires, Power Cables
Duty Free Shops	Building Wires
Edsa Shangri-La	Building Wires, Communication Cables, Power Cables
Equitable Bank	Building Wires
Ever Gotesco - Fairview	Building Wires, Power Cables
Far East Building	Building Wires, Communication Cables, Power Cables
FILSYN	Power Cables
Firestone	Building Wires
Fontana Leisure & Resort - Clark Air Base	Building Wires
Greenbelt Shopping Center	Building Wires
Heritage Hotel	Building Wires
Hotel Intercontinental	Building Wires
Ima's Restaurant	Building Wires
Imperial Sky Plaza	Building Wires
Infinitti Tower	Building Wires

LUZON AND METRO MANILA	TYPE OF WIRES & CABLES SUPPLIED
Intel Philippines - Cavite	Building Wires
Insular Life Building	Building Wires
Integrated Device Tech.	Building Wires, Communication Cables
Integrated Micro Electronics	Building Wires
Intel Philippines - Gen. Trias Cavite	Building Wires
King's Court 1 & 2	Building Wires
Liana's Supermarket - Calamba	Building Wires
Lotus Mall - Cavite	Building Wires
Lung Center of the Philippines	Building Wires, Power Cables
Makati Prime Condominium	Building Wires
Makati Shangri-La Hotel	Building Wires, Communication Cables, Power Cables
Mandarin Hotel	Building Wires
Manuela Metropolis - Alabang	Building Wires
Marinduque Mining	Building Wires
Meralco	Building Wires
NAIA Terminal Runway Lighting System	Power Cables
Nauru Building - Makati	Power Cables
New World Hotel	Building Wires, Communication Cables, Power Cables
Duty Free Shops	Building Wires
Nueva Ecija Pacific Mall	Building Wires
Ocean Tower Building	Building Wires, Communication Cables
Old Makati Stock Exchange Building	Building Wires
Olivares Mall - Tagaytay	Building Wires
Philippine Long Distance Telephone Co.	Building Wires
Philippine National Bank - Escolta	Building Wires
Philex Mining	Building Wires
Philippine Heart Center	Building Wires
Philippine Kidney Center	Building Wires
Philippine Plaza Hotel	Building Wires
Philippine International Convention Center	Building Wires
Procter & Gamble Philippines	Building Wires
Quad Theater	Building Wires
Read Rite Philippines	Building Wires

LUZON AND METRO MANILA	TYPE OF WIRES & CABLES SUPPLIED
Renaissance Tower 3000	Building Wires
Robinsons Land Corporation	Building Wires, Power Cables
Robinsons - Imus, Cavite	Building Wires
Robinsons Tower	Power Cables
Rufino Tower	Building Wires, Power Cables
San Miguel Corporation - San Fernando	Building Wires
SM Megamall	Building Wires, Power Cables
SM North Edsa	Building Wires, Power Cables
SM Sta. Mesa	Power Cables
St. Luke's Hospital	Building Wires
Subic & Sangley Point	Building Wires
Times Plaza	Building Wires
Tuscany	Building Wires
Universal Robina Corporation	Power Cables
US Naval Base	Building Wires
USA Laboratories	Building Wires, Power Cables
Zilog Philippines	Building Wires
US Embassy Extension (Visa Department)	Building Wires
Uniwide Coastal Mall	Building Wires, Communication Cables

VISAYAS / MINDANAO	TYPE OF WIRES & CABLES SUPPLIED
Cebu Midtown Hotel	Building Wires, Communication Cables, Power Cables
Cebu Shangri-La Hotel	Building Wires, Communication Cables, Power Cables
Gaisano Country Mall	Building Wires, Power Cables
Mactan Airport	Building Wires, Power Cables
Metrobank - Cebu	Building Wires, Power Cables
Metrobank - Davao	Building Wires, Power Cables
Mitsumi Factory (Building 1, 2, & 3) - Cebu	Building Wires, Power Cables
San Juanico Bridge	Building Wires, Power Cables
San Miguel Brewery - Davao	Building Wires, Power Cables
San Miguel Corp. - Cebu	Building Wires, Power Cables

VISAYAS / MINDANAO	TYPE OF WIRES & CABLES SUPPLIED
San Miguel Corp. - Mandaue	Building Wires, Power Cables
Sebduc Bio-Research	Building Wires, Power Cables
Shemberg Bio-Chem Industries	Building Wires, Power Cables
SM Iloilo	Building Wires
Victoria Plaza - Davao	Building Wires, Power Cables
Victoria's Milling	Building Wires

POWER COMPANIES	TYPE OF WIRES & CABLES SUPPLIED
Batangas Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Benguet Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Cagayan Electric Power & Light Co., Inc.	Transmission Distribution & Secondary Service Entrance Wire
Cebu Electric Cooperative I, II, III	Transmission Distribution & Secondary Service Entrance Wire
Central Pangasinan Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Clark Electrical Distribution Corporation	Transmission Distribution & Secondary Service Entrance Wire
Dagupan Electric Company	Transmission Distribution & Secondary Service Entrance Wire
Davao Light & Power Co., Inc.	Transmission Distribution & Secondary Service Entrance Wire
First Catanduanes Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Ibaan Electric Corporation	Transmission Distribution & Secondary Service Entrance Wire
La Union Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Mactan Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Manila Electric Company	Transmission Distribution & Secondary Service Entrance Wire
National Power Corporation	Transmission Distribution & Secondary Service Entrance Wire
National Electrification Administration	Transmission Distribution & Secondary Service Entrance Wire
Oriental Mindoro Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Pampanga Electric Cooperative I	Transmission Distribution & Secondary Service Entrance Wire
Panay Electric Corporation	Transmission Distribution & Secondary Service Entrance Wire
Pangasinan Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
Peninsula Electric Company	Transmission Distribution & Secondary Service Entrance Wire
PNOC - Energy Development Corporation	Transmission Distribution & Secondary Service Entrance Wire
Quezon Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire
San Fernando Electric Light & Power Co., Inc.	Transmission Distribution & Secondary Service Entrance Wire

COMPLETED PROJECTS

POWER COMPANIES	TYPE OF WIRES & CABLES SUPPLIED
Tarlac Power Corporation	Transmission Distribution & Secondary Service Entrance Wire
Visayan Electric Company	Transmission Distribution & Secondary Service Entrance Wire
Zamboanga Electric Cooperative	Transmission Distribution & Secondary Service Entrance Wire

TELEPHONE COMPANIES	TYPE OF WIRES & CABLES SUPPLIED
Bayan Tel (ICC, Nagatel, Evtel Co., RCPI)	Building Wires, Communication Cables, Flat Telephone Drop Wires, Messenger Wires
Bosch Telecoms	Telephone Cables
Comsys	Telephone Cables
Department of Transportation & Communication (DOTC)	Telephone Cables
Digicom	Telephone Cables
Digitel	Telephone Cables, Flat Telephone Wires, Messenger Wires
Electronic Tel. Systems, Inc.	Telephone Cables
Enhanced Electronics	Telephone Cables
Italtel	Telephone Cables
Major Telecoms	Telephone Cables
Maranao Telephone System	Telephone Cables
Philcom	Flat Telephone Drop Wires, PLP Products
Philippine Long Distance Telephone Co.	Building Wires, Communication Cables, Flat Telephone Drop Wires, Messenger Wires

FOREIGN PROJECTS	TYPE OF WIRES & CABLES SUPPLIED
Danang Airport - Vietnam	Building Wires, Communication Cables, Power Cables
US Embassy - Vietnam	Building Wires, Communication Cables, Power Cables

RECENT PROJECTS	TYPE OF WIRES & CABLES SUPPLIED
AMA Tower	Building Wires
Amkor Anam Phase III - Laguna	Building Wires



RECENT PROJECTS	TYPE OF WIRES & CABLES SUPPLIED
Analog Devices Phase II - Cavite	Building Wires
Baywatch Tower	Building Wires
Casencan Multi-Purpose - Nueva Ecija	Building Wires
Elizabeth Place	Building Wires
GMA Network Center	Building Wires
KFC Plaza, General Santos City	Building Wires
Magic Star Mall - Tarlac City	Building Wires
Marc 2000	Building Wires
RCBC Plaza	Building Wires
Robinsons Place - Iloilo	Building Wires, XLPE Power Cables, Control Cables
Robinsons Place - Manila	Building Wires
Robinsons Place - Pasig	Building Wires, XLPE Power Cables, Control Cables
San Roque Multi-Purpose - Pangasinan	Building Wires, XLPE PowerCables, Mining Cables
Sunview Tower	Building Wires
University of the Philippines (Melchor Hall)	Building Wires
Uniwide - NAIC, Cavite	Building Wires
Urdaneta Magic Mall	Building Wires