Eight Decades of Trust & Innovation

AUTOMOTIVE CABLES

ABOUT US

- Nicco Cables is a 80 year old brand based in India
- Nicco specializes in manufacturing wide range of Wires and Cables
- Nicco has an in-house R&D facility
- Nicco specializes in Compound manufacturing and has a dedicated team for Compounds
- Nicco is the first Company in India to install a 3 MeV Electron Beam Plant form USA for manufacturing irradiated cables
- The manufacturing plant covers an area of 450,000 sq.ft.
- NICCO has National Accreditation Board for Testing and Calibration Laboratories **(NABL)** accredited Testing laboratory

NICCO PRODUCES A WIDE RANGE OF CABLES

- Elastomeric & Silicon Cables (Upto 15 kv) for various application
- Flexible Trailing Cables - H07-RNF
- LT & HT Power & Control Cables (Upto 66 kv)
- Fire Survival Cables (For Nuclear Reactor)
- Ship Building Cables
- Medium Voltage Covered Conductors (MVCC)
- Automotive Cables
- Cable Harnessing
- Overhead transmission Conductors (AAAC, ACSR, AAC, ACAR , AL-59)
- Pressure Tight Cables
- PTFE, ETFE & FEP Cables
- Solar & Windmill Cables
- Hybrid / Composite and Underwater Cables
- TREE WIRE / SPACER Cables - 3 layer Track Resistant (upto 35kv)
- Rolling Stock Cables
- Ethernet Polyurethane Cables
- Ethernet Cables (Cat-5e, Cat-6a, Cat-7)

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I n d e x

NICCO AUTO 85 ABC CONDUCTOR, ISO 6722 CLASS A PVC INSULATION CABLE (- 40°C TO 85°C - 3000HOURS)

APPLICATION:

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Unilay conductor stranding
- Thick wall thickness

PRODUCT CONSTRUCTION:

- Conductor : Soft/ annealed plain copper according to ISO 6722 (symmetrical) tinned copper (optional)
- Insulation: PVC with properties according to ISO 6722 class A, lead free (thick wall)
- Colour: as per customer order
- Cable construction according to ISO 6722, class A
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°C to +85°C (3000 Hours)
- Standard: ISO 6722 Class A
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°c
Nominal Cross Section	No. of Strands	Diameter of single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.50	19	0.19	1.10	0.60	2.30	10	13	37.1
0.75	19	0.24	1.30	0.60	2.50	13	16	24.7
1	19	0.27	1.50	0.60	2.70	15	19	18.5
1.5	19	0.33	1.80	0.60	3.00	20	24	12.7
2	19	0.38	2.00	0.60	3.30	26	29	9.42
2.5	37	0.29	2.20	0.70	3.60	31	33	7.60
3	37	0.34	2.40	0.70	4.10	41	38	6.15
4	37	0.38	2.80	0.80	4.40	51	45	4.71
5	37	0.43	3.10	0.80	4.90	63	52	3.94
6	37	0.45	3.40	0.80	5.00	68	56	3.14
10	63	0.46	4.50	1.00	6.50	115	79	1.82
16	105	0.46	5.80	1.00	8.30	186	107	1.16
25	154	0.46	7.20	1.30	10.40	279	144	0.743
35	551	0.30	8.50	1.30	11.60	395	174	0.527
50	798	0.30	10.50	1.50	13.50	564	214	0.368
70	1140	0.30	12.50	1.50	15.50	788	263	0.259
95	836	0.40	14.80	1.60	18.00	1030	316	0.196
120	1064	0.40	16.50	1.60	19.70	1287	598	0.153

Current carrying capacity given is for the maximum conductor operating of 85°C and ambient air temperature of 40°C,

*Other length as per customer order

NICCO AUTO 85 TW ABC CONDUCTOR, ISO 6722 CLASS A THIN WALL PVC INSULATION AUTOMOTIVE CABLE (-40°C TO 85°C - 3000HOURS)

APPLICATION:

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Unilay conductor stranding
- Reduced diameter wall thickness
- Saving of insulation material, resulting in substantial weight reduction

PRODUCT CONSTRUCTION:

- Conductor : Soft/ annealed plain copper according to ISO 6722 (symmetrical)
- Insulation: PVC with properties according to ISO 6722 class A, lead free (thin wall)
- Colour: as per customer order
- Cable construction according to ISO 6722, class A
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40° C to +85° C (3000 Hours)
- Standard: ISO 6722 Class A (thin wall)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°c
Nominal Cross Section	No. of Strands	Diameter of single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	7	0.27	0.90	0.25	1.40	5	9	54.4
0.50	19	0.19	1.10	0.28	1.60	6	11	37.1
0.75	19	0.24	1.30	0.30	1.90	9	15	24.7
1	19	0.27	1.50	0.30	2.10	11	18	18.5
1.5	19	0.33	1.80	0.30	2.40	16	23	12.7
2	19	0.38	2.00	0.35	2.80	23	28	9.42
2.5	37	0.28	2.20	0.40	3.00	26	32	7.60
3	37	0.34	2.40	0.40	3.40	34	37	6.15
4	37	0.38	2.80	0.40	3.70	42	44	4.71
5	37	0.43	3.10	0.40	4.20	53	50	3.94
6	37	0.45	3.40	0.40	4.30	60	54	3.14
10	63	0.46	4.50	0.60	6.00	106	78	1.82
16	105	0.46	5.80	0.65	7.90	176	108	1.16
25	154	0.46	7.20	0.65	9.40	249	201	0.743

Cables confirming to the below categories are also available accordingly to customer requirement
Conductor Configuration : Symmetrical, Asymmetrical, Flexible
Insulation thickness : Standard, Thin wall & Ultra thin wall
ISO 6722 Temperature Class Rating :

Current carrying capacity given is for the maximum conductor operating of 85° C and ambient air temperature of 40° C Cables are also available in dual color insulation,*Other length as per customer order

NICCO AUTO 105 ABC CONDUCTOR, ISO 6722 CLASS B PVC INSULATION AUTOMOTIVE CABLE (-40°C TO 105°C - 3000 HOURS)

APPLICATION:

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Unilay conductor stranding
- Reduced diameter/thicker wall insulation
- Saving of insulation material, resulting in substantial weight reduction

PRODUCT CONSTRUCTION:

- Conductor : Soft/ annealed plain copper according to ISO 6722-1 (symmetrical)
- Insulation: PVC with properties according to ISO 6722-1 class B, lead free (thick wall)
- Colour: as per customer order
- Cable construction according to ISO 6722-1, class B
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°Cto +105°C (3000 Hours)
- Standard: ISO 6722-1 Class B
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	19	0.19	1.1	0.6	2.3	10	14	37.1
0.75	19	0.24	1.3	0.6	2.5	13	18	24.7
1	19	0.27	1.5	0.6	2.7	15	22	18.5
1.5	19	0.33	1.8	0.6	3	20	27	12.7
2	19	0.38	2	0.6	3.3	26	27	9.42
2.5	37	0.28	2.2	0.7	3.6	31	33	7.6
3	37	0.34	2.4	0.7	4.1	41	43	6.15
4	37	0.38	2.8	0.8	4.4	51	51	4.71
5	37	0.43	3.1	0.8	4.90m	63	58	3.94
6	37	0.45	3.4	0.8	5	68	64	3.14
10	63	0.46	4.5	1	6.5	115	90	1.82
16	105	0.46	5.8	1	6.5	115	90	1.82
25	154	0.46	7.2	1.3	10.4	279	162	0.743
35	551	0.3	8.5	1.3	11.6	395	196	0.527
50	798	0.3	10.5	1.5	13.5	564	242	0.368
70	1140	0.3	12.5	1.5	15.5	788	296	0.259
95	836	0.4	14.8	1.6	18	1030	356	0.196
120	1064	0.4	16.5	1.6	19.7	1287	675	0.153

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, *Other length as per customer order

NICCO AUTO 105 TW ABC CONDUCTOR, ISO 6722 CLASS B THIN WALLPVC INSULATION CABLE (-40°C TO 105°C - 3000HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.
- Especially used for requiring heat resistance

FEATURES:

- Unilay conductor PVC
- Thin wall insulation
- Saving of insulation material, resulting in substantial weight reduction

PRODUCT CONSTRUCTION:

- Conductor : Soft/ annealed plain copper according to ISO 6722-1 (symmetrical)
- Insulation: PVC with properties according to ISO 6722-1 class B, lead free
- Colour: as per customer order
- Cable construction according to ISO 6722-1, class B (Thin Wall)
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°Cto + 105°C (3000 Hours)
- Standard: ISO 6722-1 Class B(thin wall)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.22	7	0.21	0.7	0.25	1.2	4	6	84.8
0.35	7	0.27	0.9	0.25	1.3	5	10	54.4
0.5	19	0.19	1.1	0.28	1.6	6	13	37.1
0.75	19	0.24	1.3	0.3	1.9	9	17	24.7
1	19	0.27	1.5	0.3	2.1	11	20	18.5
1.5	19	0.33	1.8	0.3	2.4	17	26	12.7
2	19	0.38	2	0.35	2.8	23	32	9.42
2.5	37	0.28	2.2	0.35	3	26	36	7.6
3	37	0.34	2.4	0.4	3.4	34	42	6.15
4	37	0.38	2.8	0.4	3.7	42	49	4.71
5	37	0.43	3.1	0.4	4.2	53	57	3.94
6	37	0.45	3.4	0.4	4.3	60	61	3.14
10	63	0.46	4.5	0.6	6	110	90	1.82
16	105	0.46	5.8	0.65	7.2	165	119	1.16
25	154	0.46	7.2	0.65	8.7	250	219	0.743

Cables confirming to the below categories are also available accordingly to customer requirement
Conductor Configuration : Symmetrical, Asymmetrical, Flexible
Insulation thickness : Standard, Thin wall & Ultra thin wall
ISO 6722 Temperature Class Rating :

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, Cables are also available in dual color insulation, *Other length as per customer order

NICCO AUTO 125 ABC CONDUCTOR, ISO 6722 CLASS C EBXL - XLPO INSULATION AUTOMOTIVE CABLE (-40°C TO 125°C - 3000HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Heat resistance
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic bare or tinned copper according to ISO 6722
- Cable construction according to ISO 6722 class C, (thick wall)
- Insulation : Electron beam crossed linked Polyolefin class C
- Colour: as per customer order
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Specification : ISO 6722

Conductor				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	19	0.19	1.1	0.6	2.3	10	37.1	37
0.75	19	0.24	1.3	0.6	2.5	13	24.7	21
1	19	0.27	1.5	0.6	2.7	15	18.5	25
1.5	19	0.33	1.8	0.6	3	20	12.7	32
2	19	0.38	2	0.6	3.3	25	9.42	38
2.5	37	0.29	2.2	0.7	3.6	31	7.6	44
3	37	0.34	2.4	0.7	4.1	41	6.15	50
4	37	0.38	2.8	0.8	4.4	51	4.71	60
5	37	0.43	3.1	0.8	4.9	63	3.94	67
6	37	0.45	3.4	0.8	5	68	3.14	77
10	63	0.46	4.5	1	6.5	115	1.82	109
16	105	0.46	6.3	1	8.3	186	1.16	147
25	154	0.46	7.8	1.3	10.4	279	0.743	193
35	551	0.3	9	1.3	11.6	395	0.527	236
50	798	0.3	10.5	1.5	13.5	564	0.368	291
70	1140	0.3	12.5	1.5	15.5	788	0.259	359
95	836	0.4	14.8	1.6	18	1037	0.196	428
120	1064	0.4	16.5	1.6	19.7	1287	0.153	509

Current Carrying capacity given is for the maximum conductor temperature of 125°C and ambient air temperature of 40°C. * Other length as per Customer order.

NICCO AUTO 125 TW ABC CONDUCTOR, ISO 6722 CLASS C/T3 EBXL - XLPO THIN WALL INSULATION AUTOMOTIVE CABLE (-40°C TO 125°C - 3000HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.
- Especially used fir circuits requiring heat resistance

FEATURES:

- Excellent Flame retardant
- Highly resistant against acids, alkali, petrol and diesel
- Extra flexible conductors with electron beam cross linked polyolefin thin wall insulation for smaller diameter and lesser weight
- Excellent flexibility
- Heat resistance
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic bare or tinned copper according to ISO 6722
- Cable construction according to ISO 6722 Class C,(Thick wall)
- Insulation : Electron beam crossed linked Polyolefin class C
- Colour: as per customer order
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Standard: ISO 6722 Class C(thin wall)
- Operating voltage: (i) (60 V DC or 25 V AC) or (ii) (600 V DC or 600 V AC)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2 , 5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	7	0.27	0.9	0.25	1.4	5	12	54.4
0.5	19	0.19	1.1	0.28	1.6	6	15	37.1
0.75	19	0.24	1.3	0.3	1.9	9	19	24.7
1	19	0.27	1.5	0.3	2.1	11	23	18.5
1.5	19	0.33	1.8	0.3	2.4	17	30	12.7
2	19	0.38	2	0.35	2.8	23	37	9.42
2.5	37	0.28	2.2	0.35	3	26	42	7.6
3	37	0.34	2.4	0.4	3.4	34	48	6.15
4	37	0.38	2.8	0.4	3.7	42	57	4.71
5	37	0.43	3.1	0.4	4.2	53	65	3.94
6	37	0.45	3.4	0.4	4.3	60	71	3.14
10	63	0.46	4.5	0.6	6	106	104	1.82
16	105	0.46	6.3	0.65	7.2	177	140	1.16
25	154	0.46	7.8	0.65	8.7	249	261	0.743

Cables confirming to the below categories are also available accordingly to customer requirement

Conductor Configuration : Symmetrical, Asymmetrical, Flexible

Insulation thickness : Standard, Thin wall & Ultra thin wall

ISO 6722 Temperature Class Rating :

Current Carrying capacity given is for the maximum conductor temperature of 125°C and ambient air temperature of 40°C. * Other length as per Customer order.

NICCO AUTO 150 ABC CONDUCTOR, ISO 6722 CLASS D/T4 EBXL-XLPO INSULATION AUTOMOTIVE CABLE (-40°C TO 150°C - 3000HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Unilay conductor stranding
- Thicker wall insulation
- Heat resistance
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Soft/annealed plain copper according to ISO 6722 (symmetrical)
- Insulation : Electron beam crossed linked Polyolefin class D (thick wall)
- Colour: as per customer order
- Cable construction according to ISO 6722 class D
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°C to +150°C (3000 Hours)
- Standard: ISO 6722 Class D
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor				Insulation Wall Thickness Nom.	Cable		Current Carrying capacity	Max Conductor Resistance at 20°C
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	19	0.19	1.1	0.6	2.3	10	18	37.1
0.75	19	0.24	1.3	0.6	2.5	13	23	24.7
1	19	0.27	1.5	0.6	2.7	15	28	18.5
1.5	19	0.33	1.8	0.6	3	21	35	12.7
2	19	0.38	2	0.6	3.3	26	42	9.42
2.5	37	0.29	2.2	0.7	3.6	31	49	7.6
3	37	0.34	2.4	0.7	4.1	41	56	6.15
4	37	0.38	2.8	0.8	4.4	51	66	4.71
5	37	0.43	3.1	0.8	4.9	63	74	3.94
6	37	0.45	3.4	0.8	5	68	85	3.14
10	63	0.46	4.5	1	6.5	115	120	1.82
16	105	0.46	5.8	1	8.3	186	162	1.16
25	154	0.46	7.2	1.3	10.4	279	213	0.743
35	551	0.3	8.5	1.3	11.6	395	260	0.527
50	798	0.3	10.5	1.5	13.5	564	327	0.368
70	1140	0.3	12.5	1.5	15.5	788	418	0.259
95	836	0.4	14.8	1.6	18	1030	516	0.196
120	1064	0.4	16.5	1.6	19.7	1287	611	0.153

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, Cables are also available in dual color insulation, *Other length as per customer order

NICCO AUTO 125 TW ABC CONDUCTOR, ISO 19642 CLASS C/T3 EBXL-XLPO THIN WALL INSULATION AUTOMOTIVE CABLE (-40°C TO 125°C - 3000HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.
- Especially used for circuits requiring heat resistance

FEATURES:

- Excellent flame retardant
- Highly resistant against acids, alkali, petrol and diesel
- Extra flexible conductors with electron beam cross linked polyolefin thin wall insulation for smaller diameter and lesser weight
- Excellent flexibility
- Heat resistance
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Soft/annealed plain copper according to ISO 6722 (symmetrical)
- Insulation : Electron beam crossed linked Polyolefin class C (Thin Wall)
- Colour: as per customer order
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Standard: ISO 6722 Class C (thin wall)
- Operating voltage: (i) (60 V DC or 25 V AC), (ii) (600V DC or 600V AC)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2 , 5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	7	0.27	0.9	0.25	1.4	5	12	54.4
0.5	19	0.19	1.1	0.28	1.6	6	15	37.1
0.75	19	0.24	1.3	0.3	1.9	9	19	24.7
1	19	0.27	1.5	0.3	2.1	11	23	18.5
1.5	19	0.33	1.8	0.3	2.4	17	30	12.7
2	19	0.38	2	0.35	2.8	23	37	9.42
2.5	37	0.28	2.2	0.35	3	26	42	7.6
3	37	0.34	2.4	0.4	3.4	34	48	6.15
4	37	0.38	2.8	0.4	3.7	42	57	4.71
5	37	0.43	3.1	0.4	4.2	53	65	3.94
6	37	0.45	3.4	0.4	4.3	60	71	3.14
10	63	0.46	4.5	0.6	6	106	104	1.82
16	105	0.46	6.3	0.65	7.2	177	140	1.16
25	154	0.46	7.8	0.65	8.7	249	261	0.743

Cables confirming to the below categories are also available accordingly to customer requirement

Conductor Configuration : Symmetrical, Asymmetrical, Flexible

Insulation thickness : Standard, Thin wall & Ultra thin wall

Current carrying capacity given is for the maximum conductor operating of 125°C and ambient air temperature of 40°C, Cables are also available in dual color insulation,

***Other length as per customer order**

NICCO AUTO 150 ABC CONDUCTOR, ISO 19642 CLASS D/T4 EBXL-XLPO INSULATION AUTOMOTIVE CABLE (-40°C TO 150°C - 3000HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Unilay conductor stranding
- Thicker wall insulation
- Heat resistance
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Soft/annealed plain copper according to ISO 19462
- Insulation : Electron beam crossed linked Polyolefin class D (thick wall)
- Colour: as per customer order
- Single core, single layer insulation

TECHNICAL DATA:

- Temperature range: -40°C to +150°C (3000 Hours)
- Standard: ISO 6722 Class D
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2 , 5kV (r.m.s) for cables ≥ 0.5 mm^2

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	19	0.19	1.1	0.6	2.3	10	18	37.1
0.75	19	0.24	1.3	0.6	2.5	13	23	24.7
1	19	0.27	1.5	0.6	2.7	15	28	18.5
1.5	19	0.33	1.8	0.6	3	21	35	12.7
2	19	0.38	2	0.6	3.3	26	42	9.42
2.5	37	0.29	2.2	0.7	3.6	31	49	7.6
3	37	0.34	2.4	0.7	4.1	41	56	6.15
4	37	0.38	2.8	0.8	4.4	51	66	4.71
5	37	0.43	3.1	0.8	4.9	63	74	3.94
6	37	0.45	3.4	0.8	5	68	85	3.14
10	63	0.46	4.5	1	6.5	115	120	1.82
16	105	0.46	5.8	1	8.3	186	162	1.16
25	154	0.46	7.2	1.3	10.4	279	213	0.743
35	551	0.3	8.5	1.3	11.6	395	260	0.527
50	798	0.3	10.5	1.5	13.5	564	327	0.368
70	1140	0.3	12.5	1.5	15.5	788	418	0.259
95	836	0.4	14.8	1.6	18	1030	516	0.196
120	1064	0.4	16.5	1.6	19.7	1287	611	0.153

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, Cables are also available in dual color insulation, *Other length as per customer order

NICCO AUTO 125X-A. FLR 2X-A- ABC CONCENTRIC CONDUCTOR, PE-X INSULATION AUTOMOTIVE CABLE (-40°C TO +125°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : PE-X with properties according to ISO 6722, class C
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722 Class C
- FL: Automotive Cable
- R: reduced wall thickness
- 2X: cross linked PE
- A: Symmetrical

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.22	7	0.21	0.7	0.25	1.2	3	9	84.8
0.35	7	0.27	0.9	0.25	1.3	5	11	54.4
0.5	19	0.19	1.1	0.28	1.6	7	15	37.1
0.75	19	0.24	1.3	0.3	1.9	9	20	24.7
1	19	0.27	1.5	0.3	2.1	12	24	18.5
1.5	19	0.33	1.8	0.3	2.4	17	30	12.7
2	19	0.38	2	0.35	2.8	23	37	9.42
2.5	37	0.28	2.2	0.35	3	27	42	7.6
3	37	0.34	2.4	0.4	3.4	36	49	6.15
4	37	0.38	2.8	0.4	3.7	43	58	4.71
5	37	0.43	3.1	0.4	4.2	55	66	3.94
6	37	0.45	3.4	0.4	4.3	60	75	3.14

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C

NICCO AUTO 125X-B, FLR 2X-B - ABC FLEXIBLE CONDUCTOR, PE-X INSULATION AUTOMOTIVE CABLE (-40°C TO +125°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Extra flexibility

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : PE-X with properties according to ISO 6722, class C
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722 Class C
- FL: Automotive Cable
- R: reduced wall thickness
- 2X: cross linked PE
- B: Asymmetrical

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	12	0.21	0.9	0.25	1.4	5	12	54.4
0.5	16	0.21	1.1	0.28	1.6	6	15	37.1
0.75	24	0.21	1.3	0.3	1.9	9	20	24.7
1	32	0.21	1.5	0.3	2.1	12	24	18.5
1.5	30	0.26	1.8	0.3	2.4	17	30	12.7
2	28	0.31	2	0.35	2.8	23	37	9.42
2.5	50	0.26	2.2	0.35	3	26	42	7.6
3	44	0.31	2.4	0.4	3.4	33	49	6.15
4	56	0.31	2.8	0.4	3.7	41	58	4.71
6	84	0.31	3.4	0.4	4.3	62	75	3.14

Current carrying capacity given is for the maximum conductor operating of 125°Cand ambient air temperature of 40°C

NICCO AUTO 150A - ABC CONCENTRIC CONDUCTOR. TPE-E INSULATION AUTOMOTIVE CABLE(-40°C +150°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Extra flexibility

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : TPE-E
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +150°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722 Class D

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	7	0.26	0.8	0.35	1.3	5	12	52
0.5	19	0.19	1.1	0.35	1.6	6	16	37.1
0.75	19	0.23	1.2	0.35	1.9	9	22	24.1
1	19	0.26	1.35	0.35	2.1	11	26	18.5
1.5	19	0.32	1.7	0.5	2.4	17	33	12.7
2	19	0.37	2	0.35	2.8	21	41	9.42
2.5	19	0.41	2.2	0.35	3	26	47	7.6

Current carrying capacity given is for the maximum conductor operating of 150°C and ambient air temperature of 40°C, *Other length as per customer order

NICCO AUTO 150A - B - ABC FLEXIBLE CONDUCTOR. TPE-E INSULATION AUTOMOTIVE CABLE (-40°C +150°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Resistance to hydrolysis
- Resistance to battery cable
- Extra flexibility

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : TPE-E
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to + 150°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722 Class D

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	12	0.21	0.9	0.35	1.6	5	13	52
0.5	16	0.21	1	0.35	1.9	6	16	37.1
0.75	24	0.21	1.2	0.35	2.1	9	22	24.7
1	32	0.21	1.35	0.35	2.4	12	26	18.5
1.5	30	0.26	1.7	0.35	2.9	16	33	12.7
2	30	0.31	2	0.35	2.8	23	41	9.42
2.5	50	0.26	2.2	0.35	30	26	47	7.6
4	56	0.31	2.8	0.35	3.7	41	64	4.7
6	84	0.31	3.4	0.35	4.3	60	83	3.1

Current carrying capacity given is for the maximum conductor operating of 150°Cand ambient air temperature of 40°C, *Other length as per customer order

NICCO AUTO 200 G-ATC CONDUCTOR. SILICON RUBBER INSULATION AUTOMOTIVE CABLE ASPER ISO 19642(80°C TO + 200° C 3000 HOURS)

APPLICATION :

- Used in motorcycles and other motor vehicles. Especially high operating at application temperature application

FEATURES:

- Good thermal properties
- Highly flexible at low temperatures

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN EN 13602, bare conductor (also available in multi-stand version)
- Insulation : Silicon Rubber with properties according to ISO 6722-2 Class F
- Colour: as per customer order

TECHNICAL DATA:

- Temperature range: 80°C to +200°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722 Class F

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	12	0.21	0.9	0.5	2	7	16	54.4
0.5	16	0.21	1	0.6	2.3	10	21	37.1
0.75	24	0.21	1.2	0.6	2.5	13	26	24.7
1	32	0.21	1.35	0.6	2.7	16	31	18.5
1.5	30	0.26	1.7	0.6	3.1	21	40	12.7
2.5	50	0.26	2.2	0.7	3.8	34	56	7.6
4	56	0.31	2.8	0.8	4.8	54	76	4.71
6	84	0.31	3.4	0.8	5.4	75	97	3.14
10	80	0.41	4.5	1	7	123	150	1.82
16	126	0.41	5.8	1	8.4	181	182	1.16
25	196	0.41	7.2	1.3	10.4	285	238	0.743
35	276	0.41	8.5	1.3	14.3	389	292	0.527
50	396	0.41	10.5	1.5	16.7	548	376	0.368
70	360	0.51	12.5	1.5	19.2	751	481	0.259
95	457	0.51	14.8	1.6	11.9	941	591	0.196

Current carrying capacity given is for the maximum conductor operating of 200°C and ambient air temperature of 40°C, *Other length as per customer order

NICCO AUTO 200 G-ABC CONDUCTOR. SILICON RUBBERINSULATION AUTOMOTIVE CABLE ASPER ISO 19642(-80°C TO + 180°C 3000 HOURS)

APPLICATION :

- Used in motorcycles and other motor vehicles. Especially high operating at application temperature application

FEATURES:

- Good thermal properties
- Highly flexible at low temperatures

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN EN 13602, bare conductor (also available in multi-stand version)
- Insulation : Silicon Rubber with properties according to ISO 6722-2 Class F
- Colour: as per customer order

TECHNICAL DATA:

- Temperature range: 80°C to +180°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722 Class D

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	12	0.21	0.9	0.5	2	7	16	54.4
0.5	16	0.21	1	0.6	2.3	10	21	37.1
0.75	24	0.21	1.2	0.6	2.5	13	26	24.7
1	32	0.21	1.35	0.6	2.7	16	31	18.5
1.5	30	0.26	1.7	0.6	3.1	21	40	12.7
2.5	50	0.26	2.2	0.7	3.8	34	56	7.6
4	56	0.31	2.8	0.8	4.8	54	76	4.71
6	84	0.31	3.4	0.8	5.4	75	97	3.14
10	80	0.41	4.5	1	7	123	150	1.82
16	126	0.41	5.8	1	8.4	181	182	1.16
25	196	0.41	7.2	1.3	10.4	285	238	0.743
35	276	0.41	8.5	1.3	14.3	389	292	0.527
50	396	0.41	10.5	1.5	16.7	548	376	0.368
70	360	0.51	12.5	1.5	19.2	751	481	0.259
95	457	0.51	14.8	1.6	11.9	941	591	0.196

Current carrying capacity given is for the maximum conductor operating of 200°C and ambient air temperature of 40°C, *Other length as per customer order

NICCO AUTO 200 F-A ABC FLEXIBLE CONDUCTOR . SILICON RUBBER INSULATION AUTOMOTIVE CABLE ASPER ISO 19642 (-65°C TO + 200°C - 3000 HOURS)

APPLICATION :

- Suitable for inside engine compartment
- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Good mechanical and thermal properties
- Excellent resistance to chemicals
- Very good oil and fuel resistance
- High resistance to atmospheric conditions and ozone

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN EN 13602, bare conductor
- Insulation : Teflon according to ISO 6722-1 class F
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -65°C to +200°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722-1 Class F
- Voltage Rating: 60 VDC

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	19	0.19	1.1	0.28	1.6	8	19	37.1
0.75	19	0.24	1.3	0.3	1.9	11.5	24	24.7
1	19	0.27	1.5	0.3	2.1	14.5	29	18.5
1.5	19	0.33	1.8	0.3	2.4	17	38	12.7
2.5	37	0.28	2.2	0.35	3	27	53	7.6

Current carrying capacity given is for the maximum conductor operating of 200°C and ambient air temperature of 40°C, *Other length as per customer order

NICCO AUTO 260 R-A ABCCONDUCTOR . PTFE INSULATION AUTOMOTIVE CABLE ASPER (-90°C TO + 260°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuit.

FEATURES:

- Excellent temperature resistance
- Very good mechanical stability
- Excellent resistance to chemicals

PRODUCT CONSTRUCTION:

- Conductor : Nickel plated copper conductor
- Conductor construction according to ISO 6722-1
- Insulation : PTFE (Polytetrafluoroethylene) with properties according to ISO 6722-1 class H
- Colour: as per customer order

TECHNICAL DATA:

- Temperature range: -90°C to + 260°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- Standard: ISO 6722-1, Class H

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.22	7	0.21	0.7	0.25	1.2	4	12	87.9
0.35	7	0.27	0.9	0.25	1.3	6	15	56.8
0.5	19	0.19	1.1	0.28	1.6	8	21	38.6
0.75	19	0.24	1.3	0.3	1.9	12	26	25.7
1	19	0.27	1.5	0.3	2.1	14	31	19.3
1.5	19	0.33	1.8	0.3	2.4	20	40	13.2
2.5	19	0.41	2.2	0.35	3	31	56	7.92

Current carrying capacity given is for the maximum conductor operating of 260°C and ambient air temperature of 40°C,

*Other length as per customer order

FLY - ABC CONDUCTOR PLASTICIZED PVC INSULATION AUTOMOTIVE CABLE AS PER (-40°C TO + 105°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thick wall insulation with increased mechanical strength
- Extra flexibility

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN EN 13602, bare conductor (also available in multi stand version)
- Insulation : Plasticized PVC with properties according to ISO 6722, Class B, Lead free
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +105°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ›₀ 0.5 mm^2
- FL: Automotive cable
- Y: PVC insulation
- Standard: LV11
  BMW GS 95007-1-1
  VM 60306-1

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	16	0.21	1	0.6	2.3	10	15	37.1
0.75	24	0.21	1.2	0.6	2.5	13	19	24.7
1	32	0.21	1.35	0.6	2.7	16	22	18.5
1.5	30	0.26	1.7	0.6	3	21	28	12.7
2	28	0.31	2	0.6	3.3	26	34	9.42
2.5	50	0.26	2.2	0.7	3.6	33	39	7.6
3	60	0.26	2.4	0.7	4.1	38	45	6
4	56	0.31	2.75	0.8	4.4	50	53	4.71
6	84	0.31	3.3	0.8	5	70	68	3.14
10	80	0.41	4.5	1	6.5	120	97	1.82
16	126	0.41	6.3	1	8.3	1277	131	1.16
25	196	0.41	7.8	1.3	10.4	275	172	0.743
35	276	0.41	9	1.3	11.6	373	211	0.527
50	396	0.41	10.5	1.5	13.5	536	263	0.368
70	360	0.51	12.5	1.5	15.5	737	337	0.259
95	475	0.51	14.8	1.6	18	959	415	0.196
120	608	0.51	16.5	1.6	19.7	1206	492	0.153

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, *Other length as per customer order

FLYW - ABC CONDUCTORPLASTICIZED PVC INSULATION AUTOMOTIVE CABLE AS PER (-40°C TO + 125°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thick wall insulation with increased mechanical strength
- Extra flexibility
- Hot pressure resistance test at 120°C

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : Plasticized PVC with properties according to ISO 6722, Class C, Lead free
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- YW: Heat & hot pressure resistance
- Standard: ISO 6722-1 Class C

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	16	0.21	1	0.6	2.3	10	15	37.1
0.75	24	0.21	1.2	0.6	2.5	13	19	24.7
1	32	0.21	1.35	0.6	2.7	16	22	18.5
1.5	30	0.26	1.7	0.6	3	21	28	12.7
2	28	0.31	2	0.6	3.3	26	34	9.42
2.5	50	0.26	2.2	0.7	3.6	33	39	7.6
3	60	0.26	2.4	0.7	4.1	38	45	6
4	56	0.31	2.75	0.8	4.4	50	53	4.71
6	84	0.31	3.3	0.8	5	70	68	3.14
10	80	0.41	4.5	1	6.5	120	97	1.82
16	126	0.41	6.3	1	8.3	1277	131	1.16
25	196	0.41	7.8	1.3	10.4	275	172	0.743
35	276	0.41	9	1.3	11.6	373	211	0.527
50	396	0.41	10.5	1.5	13.5	536	263	0.368
70	360	0.51	12.5	1.5	15.5	737	337	0.259
95	475	0.51	14.8	1.6	18	959	415	0.196
120	608	0.51	16.5	1.6	19.7	1206	492	0.153

Current carrying capacity given is for the maximum conductor operating of 125°C and ambient air temperature of 40°C, *Other length as per customer order

FLYK - ABC CONDUCTOR COLD RESISTANT PVC INSULATION AUTOMOTIVE CABLE AS PER (-50°C TO + 105°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thick wall insulation with increased mechanical strength
- Extra flexibility

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : Plasticized PVC with properties according to ISO 6722, Class B, Lead free
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -50°C to +105°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- YK: Cold resistant PVC
- Standard: ISO 6722, Class B

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	28	0.16	1.1	0.6	2.3	11	15	37.7
0.75	42	0.16	1.3	0.6	2.5	14	19	25.1
1	57	0.16	1.5	0.6	2.7	17	23	18.8
4.5	84	0.16	1.8	0.6	3	23	29	12.7
2	140	0.16	2.3	0.7	3.9	36	40	7.54
4	196	0.16	3.3	0.8	4.9	50	54	4.71
6	294	0.16	4.2	0.8	5.6	70	69	3.14
10	455	0.16	5.2	1	6.5	110	94	1.85
16	490	0.21	6.7	1	7.9	173	126	1.16
25	798	0.21	8	1.2	9.6	275	166	0.743

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C,

*Other length as per customer order

FLRYK- ABC CONDUCTOR THIN WALL SOFT PVC COLD RESISTANT INSULATION AUTOMOTIVE CABLE (-50°C TO +105°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Cold resistant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thick wall insulation with increased mechanical strength

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : Soft PVC Cold resistant
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -50°C to +105°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- R: Reduced wall thickness
- YK: Cold resistant PVC
- Standard: Bosch 5998342...

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	16	0.21	1	0.22	1.6	7	13	37.1
1	32	0.21	1.4	0.3	2.1	12	21	18.5
1.5	30	0.26	1.7	0.24	2.4	17	27	12.7
2.5	50	0.26	2.1	0.7	3.7	33	39	7.6

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, *Other length as per customer order

FLYWK- FLRYWK -ABC CONDUCTOR HEAT AND COLD RESISTANT INSULATION AUTOMOTIVE CABLE (-50°C TO + 105°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thin wall insulation with increased mechanical strength
- Extra flexibility

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : Plasticized PVC, Heat and Cold resistant Class B, Lead free
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -50°C to +105°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- Y: PVC
- WK: Heat and Cold resistant
- Standard: Bosch 5998342...

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.5	16	0.21	1.1	0.28	1.6	6	13	37.1
0.75	24	0.21	1.3	0.3	1.9	9	18	24.7
1	32	0.21	1.5	0.3	2.1	12	21	18.5
1.5	30	0.26	1.8	0.3	2.4	17	27	12.7
2.5	50	0.26	2.2	0.35	3	27	38	7.6

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, *Other length as per customer order

FLRYWA - ABC CONDUCTOR HEAT RESISTANT PVC REDUCED WALL THICKNESS INSULATION AUTOMOTIVE CABLE AS PER (-40°C TO + 125°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Suitable for application inside the engine compartment

FEATURES:

- Cold resistant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thin wall insulation with increased mechanical strength
- Heat resistant

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN EN 13602, bare conductor
- Insulation : Soft PVC with properties according to ISO 6722, Class C lead free
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to + 125°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- R: Reduced wall thickness
- Y: Hot pressure type
- Standard: DBL 6312, Ford ES-AU5T-1A348

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	7	0.26	0.8	0.2	1.3	5	11	54.4
0.5	19	0.19	1	0.22	1.6	6	15	37.1
0.75	19	0.23	1.2	0.24	1.9	9	19	24.7
1	19	0.26	1.35	0.24	2.1	11	23	18.5
1.5	19	0.32	1.7	0.24	2.4	16	30	12.7
2	19	0.38	2	0.28	2.8	22	37	9.42

Current carrying capacity given is for the maximum conductor operating of 125°C and ambient air temperature of 40°C, *Other length as per customer order

FLRYWB - ABC FLEXIBLE CONDUCTOR HEAT RESISTANT PVC REDUCED WALL THICKNESS INSULATION AUTOMOTIVE CABLE AS PER (-40°C TO + 125°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductors with PVC thin wall insulation with increased mechanical strength
- Extra flexibility
- Heat resistant

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : Plasticized PVC with properties according to ISO 6722, Class C lead free
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40° C to +125° C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- R: Reduced wall thickness
- YW: Heat resistant
- B: unsymmetrical
- Standard: DBL 6312, Ford ES-AU5T-1A348

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	12	0.21	0.9	0.2	1.4	5	12	54.4
0.5	16	0.21	1.2	0.24	1.6	6	15	37.1
0.75	24	0.21	1.2	0.24	1.9	9	19	24.7
1	32	0.21	1.35	0.24	2.1	12	23	18.5
1.5	30	0.26	1.7	0.24	2.4	17	30	12.7
2	28	0.31	2	0.28	2.8	24	37	9.42
2.5	50	0.26	2.2	0.28	2.8	24	37	9.42
3	45	0.31	2.4	0.28	3.4	34	48	6.15
4	56	0.31	2.75	0.32	3.7	44	57	4.71
6	84	0.31	3.3	0.32	4.3	64	74	3.14
10	380	0.41	4.5	0.48	5.8	113	107	1.82
16	126	0.41	5.5	0.52	7	171	141	1.16
25	196	0.41	7	0.52	8.7	255	187	0.743
40	308	0.41	9.6	0.71	11.1	395	244	0.473

Current carrying capacity given is for the maximum conductor operating of 125° C and ambient air temperature of 40° C, *Other length as per customer order

FLR4Y-A - ABC CONDUCTOR POLYAMIDE INSULATION AUTOMOTIVE CABLE AS PER (-40°C TO + 105°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Type of flexibility
- Fuel resistance

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor (symmetrical)
- Insulation : PA Polyamide(thin wall)
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +105°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- R: Reduced wall thickness
- 4Y: Polyamide
- A: symmetrical (Structure A)
- Standard: ISO 6722, Class B

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.35	7	0.27	0.9	1.2	1.3	4	10	54.4
0.5	19	0.19	1.1	0.22	1.6	6	13	37.1
0.75	19	0.24	1.3	0.24	1.9	9	18	24.7
1	19	0.27	1.5	0.24	2.1	11	21	18.5
1.5	19	0.33	1.8	0.24	2.4	16	27	12.7
2.5	37	0.28	2.2	0.28	3	26	38	7.6

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, *Other length as per customer order

FLR4Y-B - ABC CONDUCTOR POLYMIDE INSULATION AUTOMOTIVE CABLE AS PER (-40°C TO + 105°C - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.
- Suitable as fuel gange wire

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Extra flexibility
- Outstanding Fuel resistance

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor (symmetrical)
- Insulation : PA Polyamide(thin wall)
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to +105°C (3000 Hours)
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2

  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- R: Reduced wall thickness
- 4Y: Polyamide
- B: Asymmetrical (Structure B)
- Standard: ISO 6722, Class B

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.		
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
0.22	7	0.21	0.7	0.2	1.2	3.5	8	84.8
0.35	12	0.21	0.9	0.2	1.4	5	10	54.4
0.5	16	0.21	1.1	0.22	1.6	6	13	37.1
0.75	24	0.21	1.3	0.24	1.9	9	18	24.7
1	32	0.21	1.5	0.24	2.1	11	21	18.5
1.25	16	0.33	1.7	0.24	2.3	15	25	14.9
1.5	30	0.26	1.8	0.24	2.4	17.5	27	12.7
2.5	50	0.26	2.2	0.28	3	26	38	7.6
4	56	0.31	2.8	0.32	3.7	40	52	4.71

Current carrying capacity given is for the maximum conductor operating of 105°C and ambient air temperature of 40°C, *Other length as per customer order

FL91Y-FL11Y- ABC CONDUCTOR TPE-U OR TPE-O INSULATION AUTOMOTIVE CABLE AS PER (-40°CTO + 125°C FL91Y & - 40°C TO + 110°C FL11Y - 3000 HOURS)

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel

PRODUCT CONSTRUCTION:

- Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare conductor
- Insulation : FL11Y-TPE-U (Thermoplastic polyurethane elastomer) according to ISO 6722, Class B
- FL91Y : TPE-O (Thermoplastic Polyolefin Elastomer acc. To ISO 6722, Class C)
- Colour: as per customer order
- Single core

TECHNICAL DATA:

- Temperature range: -40°C to + 110°C (3000 Hours)-FL11Y
  -40°C to + 125°C (3000 Hours)-FL91Y
- Test voltage: 3kV (r.m.s) for cables <0.5 mm^2
  5kV (r.m.s) for cables ≥ 0.5 mm^2
- FL: Automotive cable
- 91Y: TPE-O
- FL: Automotive Cable
- 11Y: TPE-U
- Standard: ISO 6722, Class C

Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity		Max Conductor Resistance at 20°c
Normal Cross Section	No. of Stands	Diameter of Single Wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.	FL91Y	FL11Y	
mm^2	nos.	mm	mm	mm	mm	kg/km	Amps	Amps	Ω/km
6	84	0.31	3.3	0.8	5	73	77	72	3.14
10	80	0.41	4.5	1	6.5	120	110	102	1.82
16	126	0.41	6.3	1	8.3	177	148	137	1.16
25	196	0.41	7.8	1.3	10.4	275	195	181	0.743
35	276	0.41	9	1.3	11.6	373	238	220	0.527
50	396	0.41	10.5	1.5	13.5	535	294	273	0.368
70	360	0.51	12.5	1.5	15.5	725	362	336	0.259
95	475	0.51	14.8	1.6	18	970	429	398	0.196
120	608	0.51	16.5	1.6	19.7	1205	493	457	0.153

Current carrying capacity given is for the maximum conductor operating temperature of 110°C and ambient air temperature of 40°C,
Current carrying capacity given is for the maximum conductor operation temperature of 125°C and ambient air temperature of 40°C
*Other length as per customer order

2CX0.35 SHIELDED FLR6YBC31Y CABLE

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Heat resistant
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Annealed plain copper conductor
- Insulation : FEP
- Core identification: Red, Yellow
- Drain Wire: ATC
- Screen: Al Mylar tape
- Braiding: ATC
- Outer sheath: TPE-S
- Colour: Black

TECHNICAL DATA:

- Temperature range: -65°C to + 210°C (3000 Hours)
- Max continuous working temperature: 200°C
- Max conductor temperature
- Termination of short circuit: 300°C
- Standard: ISO 6722, Class F

Conductor Construction				Insulation Wall Thickness Nom.	Drain Wire Construction	outher sheath Thickness nom	Overall Diameter Nom	Weight Approx.	Current Rating at 40°C	Max Conductor Resistance at 20°c
Normal Cross Section	No. of core	No. of Strands	Diameter of Single Wire max.							
mm²	nos.	nos.	mm	(Min/Nom)	nos/mm	mm	mm	kg/km	Amps	Ω/km
0.35	2	7	0.27	0.20/0.25	19/0.19	0.5	5.4±0.5	49	10	54.4

2CX0.5 SHIELDED FLR6YBC31Y CABLE

APPLICATION :

- Low tension electric wire for automobiles
- Used in motorcycles and other motor vehicles for starting, charging , lighting, signal and instrument panel circuit.

FEATURES:

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Heat resistant
- Halogen free

PRODUCT CONSTRUCTION:

- Conductor : Annealed plain copper conductor
- Insulation : PP
- Core identification: Red, Yellow
- Drain Wire: ATC
- Screen: Al Mylar tape
- Braiding: ATC
- Outer sheath: TPE-S
- Colour: Black

TECHNICAL DATA:

- Temperature range: -40°C to +125°C (3000 Hours)
- Max continuous working temperature: 125°C
- Max conductor temperature

  Termination of short circuit: 280°C
- Standard: ISO 6722, Class C

Conductor Construction				Insulation Wall Thickness Nom.	Drain Wire Construction	outher sheath Thickness nom	Overall Diameter Nom	Weight Approx.	Max Conductor Resistance at 20°c
Normal Cross Section	No. of cores	No. of Strands	Diameter of Single Wire max.						
mm^2	nos.	nos.	mm	(Min/Nom)	nos/mm	mm	mm	kg/km	Ω/km
0.5	2	19	0.19	0.22/0.28	19/0.19	0.5	5.8±0.6	53	37.1

EXISTING CERTIFICATIONS

ISO 9001 / 14001 / 45001

Directorate of Quality Assurance (Navy) [DQAN] Registration Certificate

Defense Research and Development Laboratory (DRDL) Registration Certificate

Integrated Headquarters of Ministry of Defence (IHQ/DEE/MOD)

Research Designs and Standards Organization (RDSO)

American Bureau of Shipping (ABS)

Indian Register of Shipping (IRS)

Underwriters Laboratories (UL)

Central Power Research Institute (CPRI)

Bureau of Indian Standards (BIS)

International Railway Industry Standard (IRIS)

National Accreditation Board for Testing and Calibration Laboratories (NABL)

Det Norske Veritas (DNV)

ARAI (Automotive Research Association of India)

CERTIFICATES UNDER PROGRESS

Bureau Veritas (BV)

Lloyd's Register Group Limited (LR)

CE Marking

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