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SXL WIRE

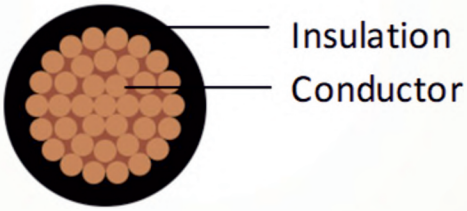
Construction
Stranded copper conductors
Cross linked Polyethylene (XLPE) insulation.

Temperature Rating
-40°C to +125°C

Application:
These are extra thick walled insulated cables used in automotive electric circuits of motorcycles and off-road vehicles.

Specifications:
Meets SAE J-1128, Ford spec. (M1L-123A), and Chrysler (MS-8288).

SXL:- SXL Wire is a single conductor primary wire with cross-linked polyethylene (XLPE) insulation. SXL wire has a temperature range of -51°C to 125°C and a voltage rating. SXL wire is a thick-wall special purpose wire is designed for use in high-temperature applications, including engine compartments.





SAE Conductor Size No.	No. of Strands	Max. Strand Diameter mm	Nominal Conductor Diameter (mm)	Nominal Insulation Thickness(mm)	Approx Overall Diameter mm
22*	7	0.26	0.78	0.74	2.3
20	7	0.32	0.96	0.74	2.5
20	19	0.19	0.95	0.74	2.5
18	16	0.26	1.22	0.76	2.7
18	19	0.23	1.12	0.76	2.7
16	19	0.29	1.45	0.81	3.1
14	19	0.36	1.8	0.89	3.6
12	19	0.45	2.25	0.94	4.2
10	19	0.58	2.98	1.04	5
10	104	0.25	2.9	1.04	5
8	19	0.72	3.6	1.09	5.9
8	50	0.45	3.67	1.09	5.9
6*	37	0.72	5.1	1.09	7.3
6*	133	0.36	4.8	1.09	7

GXL WIRE

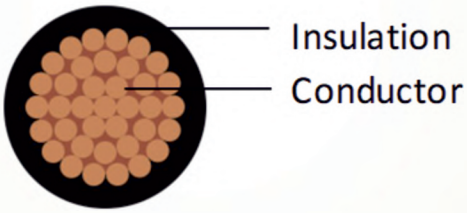
Construction
Stranded copper conductors
Cross linked Polyethylene (XLPE) insulation.

Temperature Rating
-40°C to +125°C

Application:
These are standard wall insulated cables for general purpose application in automotive electric circuits of motorcycles and off-road vehicles.

Specifications:
Meets SAE J-1128, Ford spec. (M1L-123A), and Chrysler (MS-8288).

GXL:- GXL Wire is a single conductor primary wire that also features cross-linked polyethylene (XLPE) insulation. It has the same temperature rating and voltage rating as SXL Wire as well. This wire's slender proportions and thin wall make it incredibly ideal for engine compartments, though it is suitable for use in colder environments as well.





SAE Conductor Size No.	No. of Strands	Max. Strand Diameter mm	Nominal Conductor Diameter (mm)	Nominal Insulation Thickness(mm)	Approx Overall Diameter mm
22*	7	0.26	0.78	0.74	2.3
20	7	0.32	0.96	0.74	2.5
20	19	0.19	0.95	0.74	2.5
18	16	0.26	1.22	0.76	2.7
18	19	0.23	1.12	0.76	2.7
16	19	0.29	1.45	0.81	3.1
14	19	0.36	1.8	0.89	3.6
12	19	0.45	2.25	0.94	4.2
10	19	0.58	2.98	1.04	5
10	104	0.25	2.9	1.04	5
8	19	0.72	3.6	1.09	5.9
8	50	0.45	3.67	1.09	5.9
6*	37	0.72	5.1	1.09	7.3
6*	133	0.36	4.8	1.09	7

TXL WIRE

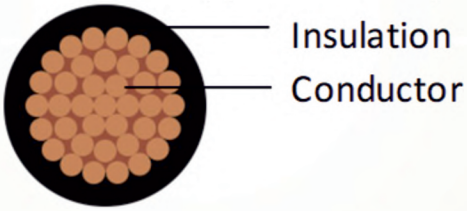
Construction
Stranded copper conductors
Cross linked Polyethylene (XLPE) insulation.

Temperature Rating
-40°C to +125°C

Application:
These are extra thin walled insulated cables used for automotive lightings, signals and instrument panel circuits.

Specifications:
Meets SAE J-1128, Ford spec. (M1L-123A), and Chrysler (MS-8288).

TXL:- TXL Wire is an extra-thin wall single-conductor automotive primary wire with cross-linked polyethylene (XLPE) insulation. It is used primarily in automotive applications where small diameter and minimal weight are desirable. TXL automotive wire has a temperature rating of -51°C to +125°C, making it ideal for automotive applications that require reliability in both high heat and extreme cold. It also has a voltage rating of 50V. Due to its high durability, this primary wire is optimal for use in automotive applications requiring a lightweight wire of small diameter.





SAE Conductor Size No.	No. of Strands	Max. Strand Diameter mm	Nominal Conductor Diameter (mm)	Nominal Insulation Thickness (mm)	Approx Overall Diameter mm
22	7	0.26	0.78	0.4	1.6
20	7	0.32	0.96	0.4	1.8
20	19	0.19	0.95	0.4	1.8
18	16	0.26	1.22	0.4	2
18	19	0.23	1.12	0.4	2
16	19	0.29	1.45	0.4	2.3
14	19	0.36	1.8	0.4	2.6
12	19	0.45	2.25	0.46	3.2
10	19	0.58	2.98	0.51	4
10	104	0.25	2.9	0.51	4
8	19	0.72	3.6	0.56	4.8
8	50	0.45	3.67	0.56	4.8
6*	37	0.72	5.1	0.7	6.5
6*	133	0.36	4.8	0.7	6.2

PENCIL CABLE-MEDICAL APPLICATION

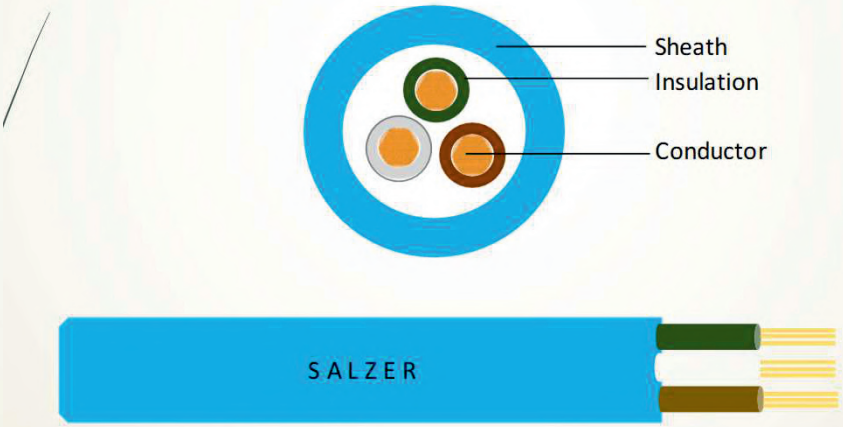
Construction
Stranded copper conductors, High Density Polyethylene (HDPE) insulation of 3 cores, Jacketing with PVC.

Temperature Rating
-5°C to +70°C

Application:
For use in electrosurgical electro-surgical pencil

Specifications:
EU RoHS standard

PENCIL CABLE:- Electrosurgical/diathermy pencils are very thin and soft. Manufactured and compliance with EU & RoHS. Extensively used in wide range of electrosurgical accessory(micro-surgical electrical pencil).



DESCRIPTION: 3C X 0.078 sq.mm ABC (10/0.10) SHEATHED ROUND CABLE			
SL.NO	PARAMETER	UNIT	SPECIFICATION
1	Overall Insulation Diameter(max)	mm	1.1
2	Overall Sheath Diameter(max)	mm	3.12
3	Insulation thickness(nom)	mm	0.25
4	Sheath thickness(nom)	mm	0.5
5	No. of Conductors	Nos.	10
6	Conductor Diameter	mm	0.1
7	Conductor Anealing(min)	%	9
8	Conductor Resistance(max)	Ω/Km	237

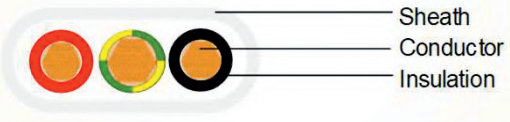
BUILDING WIRES - Twin + Earth, and 3 Cores + Earth

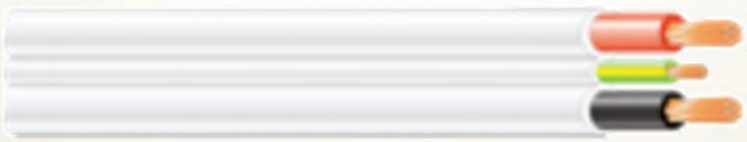
Construction
Plain annealed copper (AS/NZS1125) V-90 PVC insulated & 3V-90 PVC jacketed flat cable as per AS/AZS-3808.

Temperature Rating & Voltage
75°C & 450V/750V

Core Color
Red, Black & Green/Yellow & Red, Blue, White & Green/Yellow

Application
Easy-tear sheath for general wiring, unenclosed, closed in conduit buried direct or in underground ducts for domestic, commercial and industrial installations where not subject to mechanical damage.





Construction	Insulation Thicknes	Sheath Thickness	Dimension
No./mm	mm	mm	mm
2x1/1.13 + E 7/0.50E	0.6	0.9	9.0x4.3
2x7/0.50+7/0.50E	0.6	0.9	10x4.7
2x7/0.67+7/0.67E	0.7	1	12.4x5.6
2x7/0.85+7/0.67E	0.8	1.1	14.2x6.4
2x7/1.04+7/0.67E	0.8	1.1	15.3x7.1
2x7/1.35+7/0.85E	1	1.2	18.9x8.7
2x7/1.70+7/1.04E	1	1.3	21.8x9.9
3x7/0.50+7/0.50E	0.6	0.8	12.5x4.5
3x7/0.67+7/0.67E	0.7	1	15.9x5.6

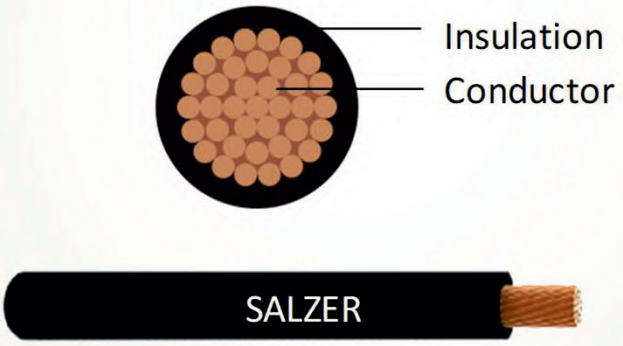
AVSS Cable

Construction
Soft annealed electrolytic copper Cu-ETP1 according to JIS C 3102, bare conductor construction according to JASO D 611 PVC, insulation material accordingly to JASO D 611

Temperature Rating & Standard
-40°C to +80°C JASO D 611, JASO D 618

Core Color
Red, Black

Application
These are ultra thin wall auto cables ideal for use in automotive.



Nom.		Max. Strand Diameter (mm)	Max. Conductor Diameter (mm)	Max. DC Conductor Resistance at 20oC (Ω/km)	Standard Insulation Thickness (mm)	Overall Diameter (mm)	
Cross-Section (mm²)	No. of Strands					Max.	Tolerance
0.3	7	0.26	0.8	50.2	0.3	1.5	-0.1
0.5	7	0.32	1	32.7	0.3	1.7	-0.1
0.85	19	0.24	1.2	21.7	0.3	1.9	-0.1
1.25	19	0.29	1.5	14.9	0.3	2.2	-0.1
0.3f*	19	0.16	0.8	48.9	0.3	1.5	-0.1
0.5f*	19	0.19	1	34.6	0.3	1.7	-0.1
0.75f*	19	0.23	1.2	23.6	0.3	1.9	-0.1
1.25f*	37	0.21	1.5	14.6	0.3	2.2	-0.1
2f*	37	0.26	1.8	9.5	0.4	2.7	-0.1

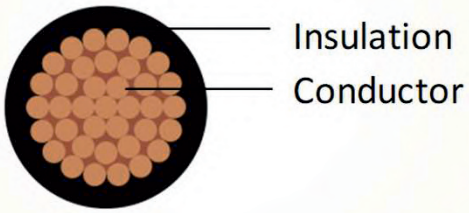
AVS Cable

Construction
Soft annealed electrolytic copper Cu-ETP1 according to D 609-90, bare conductor construction according to JASO D 611 PVC insulation, material accordingly to JASO D 611

Temperature Rating & Standard
-40°C to +80°C JASO D 611, JASO D 618

Core Color
Red, Black

Application
These are standard wall auto cables for ideal use in automotive by harness manufacturers.





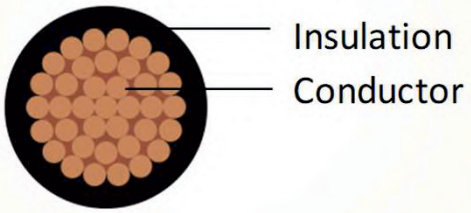
Nom. Cross-Section (mm²)	No. of Strands	Max. Strand Diameter (mm)	Max. Conductor Diameter (mm)	Max. DC Conductor Resistance at 20oC (Ω/km)	Standard Insulation Thickness (mm)	Overall Diameter (mm) Max.	Overall Diameter (mm) Tolerance
0.3	7	0.26	0.8	50.2	0.5	1.9	-0.1
0.5	7	0.32	1	32.7	0.5	2.1	-0.1
0.85	11	0.32	1.2	20.8	0.5	2.3	-0.1
1.25	16	0.32	1.5	14.3	0.5	2.6	-0.1
2	26	0.32	1.9	8.81	0.5	3.1	-0.2
3	41	0.32	2.4	5.59	0.6	3.8	-0.2
5	65	0.32	3	3.52	0.7	4.6	-0.2
0.3f*	15	0.18	0.8	48.9	0.5	1.9	-0.1
0.5f*	20	0.18	1	36.7	0.5	2.1	-0.1
0.75f*	30	0.18	1.2	24.4	0.5	2.3	-0.1
1.25f*	50	0.18	1.5	14.7	0.5	2.6	-0.1
2f*	37	0.26	1.8	9.5	0.5	3.1	-0.4

AV Cable

Construction
Soft annealed electrolytic copper Cu-ETP1 according to D 609-90, bare conductor construction according to JASO D 611 PVC insulation, material accordingly to JASO D 611

Temperature Rating & Standard
-40°C to +80°C In accordance to JASO D 611, JASO D 618, JIS C 3406
Core Color
Red, Black

Application
These are standard wall auto cables for ideal use in automotive by harness manufacturers.





Nom.		Max. Strand Diameter (mm)	Max. Conductor Diameter (mm)	Max. DC Conductor Resistance at 20oC (Ω/km)	Standard Insulation Thickness (mm)	Overall Diameter (mm)	
Cross-Section (mm²)	No. of Strands					Max.	Tolerance
0.3	7	0.26	0.8	50.2	0.5	1.9	-0.1
0.5	7	0.32	1	32.7	0.5	2.1	-0.1
0.85	11	0.32	1.2	20.8	0.5	2.3	-0.1
1.25	16	0.32	1.5	14.3	0.5	2.6	-0.1
2	26	0.32	1.9	8.81	0.5	3.1	-0.2
3	41	0.32	2.4	5.59	0.6	3.8	-0.2
5	65	0.32	3	3.52	0.7	4.6	-0.2
0.3f*	15	0.18	0.8	48.9	0.5	1.9	-0.1
0.5f*	20	0.18	1	36.7	0.5	2.1	-0.1
0.75f*	30	0.18	1.2	24.4	0.5	2.3	-0.1
1.25f*	50	0.18	1.5	14.7	0.5	2.6	-0.1
2f*	37	0.26	1.8	9.5	0.5	3.1	-0.4

LiYY Cable

Construction
Bare copper, fine wire conductors, bunch stranded DIN VDE 0295 cl. 5, EN 60228 cl. 5. Special PVC core insulation TI2, to EN 50363-3. Special PVC outer sheath TM2, to EN 50363-4.1.

Temperature Rating & Standard
-5°C to +70°C Based on VDE 0812

Application
These are special PVC data cables used for flexible use with free movement without tensile stress of forced movements in dry, moist and wet rooms but not suitable for open air, wherever the construction requirements call for a minimum outer diameter.

LiYY Cable sizes and Voltages
LiYY cables with a cross-section of up to 0.14mm^2 have a voltage rating of 350V. Larger cross-sections have a voltage rating of 500V. They have an operating range from -40°C to +80°C in fixed installations and -5°C to +50°C when flexed.





LiYY Cable

Sl.No	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
1	2 x 0.14	3.3
2	3 x 0.14	3.4
3	4 x 0.14	3.7
4	5 x 0.14	4
5	7 x 0.14	4.6
6	8 x 0.14	5
7	10 x 0.14	5.5
8	12 x 0.14	5.7
9	14 x 0.14	6
10	16 x 0.14	6.3
11	20 x 0.14	6.9
12	25 x 0.14	7.6
13	36 x 0.14	8.7
14	37 x 0.14	8.7
15	40 x 0.14	9
16	50 x 0.14	9.9
17	56 x 0.14	10.4
18	2 x 0.25	4.1
19	3 x 0.25	4.3
20	4 x 0.25	4.7
21	5 x 0.25	5.1
22	7 x 0.25	5.8
23	8 x 0.25	6.3
24	10 x 0.25	7.1
25	12 x 0.25	7.3
26	14 x 0.25	7.7
27	16 x 0.25	8.1
28	18 x 0.25	8.5
29	20 x 0.25	9
30	25 x 0.25	10

Sl.No	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
31	30 x 0.25	10.5
32	32 x 0.25	11
33	36 x 0.25	11.4
34	37 x 0.25	11.5
35	40 x 0.25	11.9
36	50 x 0.25	13.1
37	2 x 0.34	4.2
38	3 x 0.34	4.4
39	4 x 0.34	4.8
40	5 x 0.34	5.2
41	7 x 0.34	5.7
42	8 x 0.34	6.5
43	10 x 0.34	7.3
44	12 x 0.34	7.6
45	14 x 0.34	7.9
46	16 x 0.34	8.4
47	18 x 0.34	8.8
48	20 x 0.34	9.3
49	21 x 0.34	9.3
50	25 x 0.34	10.3
51	30 x 0.34	10.9
52	36 x 0.34	11.8
53	40 x 0.34	12.2
54	50 x 0.34	13.5
55	2 x 0.5	4.8
56	3 x 0.5	5.1
57	4 x 0.5	5.5
58	5 x 0.5	6
59	6 x 0.5	6.6
60	7 x 0.5	6.7

Sl.No	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
61	8 x 0.5	7.6
62	10 x 0.5	8.6
63	12 x 0.5	8.9
64	14 x 0.5	9.3
65	16 x 0.5	9.8
66	20 x 0.5	11
67	25 x 0.5	12.2
68	30 x 0.5	12.9
69	40 x 0.5	14.6
70	2 x 0.75	5.1
71	3 x 0.75	5.4
72	4 x 0.75	5.9
73	5 x 0.75	6.5
74	7 x 0.75	7.2
75	8 x 0.75	8.1
76	10 x 0.75	9.2
77	12 x 0.75	9.5
78	16 x 0.75	10.6
79	20 x 0.75	11.8
80	25 x 0.75	13.2
81	2 x 1	5.6
82	3 x 1	6
83	5 x 1	7.2
84	2 x 1.5	6.7
85	3 x 1.5	7.1
86	4 x 1.5	7.8

LiYY(TP) Twisted Pair Cable

Construction
Bare copper, fine wire conductors stranded according to DIN VDE 0295
Conductor make-up for 0.14 mm² = 18 x 0.10 mm, 0.25 mm² = 14 x 0.15 mm.
0.34 mm² = 19 x 0.15 mm, Core insulation of special PVC TI2 EN 50363-3.
Core colours as per DIN 47100
Pairs stranded in layers with optimal lay-length.
Plastic foil wrapping over laid up pairs.
Outer sheath of special PVC, TM2 to EN 50363-4.1.

Temperature Rating & Standard
-5°C to +70°C Based on VDE 0812

Application
LiYY (TP) is applicable in the short runs and tight spaces, where the main requirements are smaller outer diameter and bending radii. The cable ideally meets these requirements.

LIYY TP (Twisted Pair)
The LiYY Cable is available with twisted pairs configuration. Twisted pairs (TP) are used to cancel out any electromagnetic interference from external sources or crosstalk from neighbouring pairs.





LiYY(TP) Cable

VOLTAGE	250/250V
CONDUCTOR	Class 5 Flexible Stranded Copper
INSULATION	PVC (Polyvinyl Chloride)
OUTER SHEATH	PVC (Polyvinyl Chloride)

Sl.No	No. of Pairs & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)
1	2 x 2 x 0.14	4.95
2	3 x 2 x 0.14	5.02
3	4 x 2 x 0.14	5.53
4	5 x 2 x 0.14	5.98
5	6 x 2 x 0.14	6.38
6	10 x 2 x 0.14	7.73
7	12 x 2 x 0.14	8.3
8	16 x 2 x 0.14	9.32
9	2 x 2 x 0.25	6.16
10	3 x 2 x 0.25	6.26
11	4 x 2 x 0.25	6.96
12	6 x 2 x 0.25	8.13
13	8 x 2 x 0.25	9.12
14	10 x 2 x 0.25	9.99
15	2 x 2 x 0.5	7.3
16	3 x 2 x 0.5	7.43
17	4 x 2 x 0.5	8.31
18	8 x 2 x 0.5	11.04
19	10 x 2 x 0.5	12.13
20	2 x 2 x 0.75	7.8
21	3 x 2 x 0.75	7.94
22	4 x 2 x 0.75	8.89
23	8 x 2 x 0.75	11.86
24	10 x 2 x 0.75	13.05

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Wires for life

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