AVSSX, AESSX (0.3-2)

Very Thin Heat Resistant Low-tension Cables

Construction

Conductor: Copper conductor fine wire stranded as per DIN ISO 6722 part 3 .

Insulation: Cross-linked Polyvinyl Chloride(AVSSX)
Cross-linked Polyethylene (AESSX)

Insulation colour: ● Black, ● Blue, ● Orange, ● Red, ○ White
Other colours available upon request

Abbreviations
A : low-tension cable for automobiles
V : Vinyl Insulated
SS : Very Tin Insulation wall
X : Cross-linked

Technical data

Temperature range:

Max Working Temperature (AVSSX):	+105 °C
Max Working Temperature (AESSX):	+120 °C
Min Working Temperature :	- 40 °C
Hot-pressure resistance test at:	+120 °C
Nominal voltage:	25V AC - 60V DC
Test voltage:	3kv i.e < 0.5mm^2 5kv i.e > 0.5mm^2
Minimal inner bending radius:	single core :8 x D
Withstand Voltage test :	Spark :5000V for 15sec Immersion :1000V for 1Min

Properties :

- Oil and fuel resistant as per DIN ISO 6722 part 2
- Thinner than type AVS cables while ensuring equivalent performance
- Lighter weight and small diameter type AVSS cables are best for wiring harness.

DESIGN STANDARDS

KS C 3311
ISO 6722
JASO D611
ES SPEC

APPLICATION

- Wires used in low voltage circuits requiring heat resistance (105℃) such as automobiles (Vehicles and motor cycles). Suitable for the consideration of flexibility and thermal resistance

AVSSX (0.3-2)

Nominal size (mm²)	Construction (No/mm)	Calculated area (mm²)	Outer diameter (mm)	Thickness (mm)	Overall diameter Standard (mm)	Overall diameter Max (mm)	Conductor resistance (Ω/Km)	Current limit (A)	Approx. weight (g/m)	Standard length (m)
0.3	7/0.260	0.3716	0.8	0.3	1.4	1.5	50.2	8	5.0	1500
0.3f	19/0.160	0.3820	0.8	0.3	1.4	1.5	48.8	8	5.0	1500
0.5	7/0.320	0.5629	1.0	0.3	1.6	1.7	32.7	10	7.1	1000
0.5f	19/0.190	0.5387	1.0	0.3	1.6	1.7	34.6	10	6.9	1000
0.85	19/0.240	0.8595	1.2	0.3	1.8	1.9	21.7	15	9.8	1000
0.85f	37/0.172	0.8597	1.2	0.3	1.8	1.9	21.7	15	9.9	1000
1.25	19/0.290	1.2500	1.5	0.3	2.1	2.2	14.9	19	14.2	500
1.25f	37/0.210	1.2810	1.5	0.3	2.1	2.2	14.6	19	14.3	500
2	37/0.260	1.9644	1.8	0.4	2.6	2.7	9.50	27	22.2	500

AESSX (0.3-2)

Nominal size (mm²)	Construction (No/mm)	Calculated area (mm²)	Outer diameter (mm)	Thickness (mm)	Overall diameter Standard (mm)	Overall diameter Max (mm)	Conductor resistance (Ω/Km)	Current limit (A)	Approx. weight (g/m)	Standard length (m)
0.3f	19/0.160	0.3820	0.8	0.3	1.4	1.5	48.8	8	5.0	1500
0.5f	19/0.190	0.5387	1.0	0.3	1.6	1.7	34.6	10	6.9	1000
0.75f	19/0.230	0.7890	1.2	0.3	1.8	1.9	23.6	14	10	1000
1.25f	37/0.210	1.2810	1.5	0.3	2.1	2.2	14.6	15	19	500
2f	37/0.260	1.9644	1.8	0.4	2.6	2.7	9.50	15	26	500

The "f" in the nominal size column indicates a flexible conductor with a finer wire diameter.