Flexible Non Shielded Core Type

RoHS

KIFLEX MVV

E 150633 AWM 2464 80℃ 300V VW-1 AWM I/II A/B 80℃ 300V
FT1 KIFLEX MVV 2C X 24AWG KWANGIL CE RoHS = M =

Super Fine Conductor / Special PVC Insulation / Special PVC Sheath

KIFLEX MVV is signal interconnecting or power supply cable between the main body and the control system used for the industrial robots and used for the low speed cable chains for manufactuning automatic machine.

Construction

Conductor	Tinned annealed copper standard acc. to IEC 60228 EN 60228, VDE 0295 Class 6
Insulation	Special Poly Vinyl Chloride
Filler	Fabric
Stranding	in layers
Wrapping	Special non-woven Tape
Sheath	Special Poly Vinyl Chloride
Sheath Color	Black(Color can be changed after consulation)

Technical Data

Nomianl Rating	80℃, 300V
Insulation Resistance	Min. 10MΩ/km
Spark Test Voltage	
less than 15mils	AC 2500V
19mils and smaller	AC 4000V
18mils and larger	AC 5000V
Dielectric Test Voltage	
Core/Core	AC 2000V / 1 min
Core/Screen	AC 1200V / 1 min
Min. bending radius	
fixed laying	Overall diameter x 10
flexble application	Overall diameter x 15
Temperature range	
fixed laying	-20℃ ~ +80℃
flexble application	-10℃ ~ +80℃
Toxicity	acc. to RoHS
Fire performance	Flame retardant and self-extinguishing acc. to IEC 60332-1, EN 60332-1 VW-1 acc. to UL 1581 section 1080 FT1 acc. to UL 1581 section 1060

No. of Cores x cross section (No. / ㎟)	Conductor strands (EA / ㎜)	Conductor diameter (㎜)	Insulation diameter (㎜)	Overall diameter (㎜)	Max. current (A)
2 x 0.2	40/0.08	0.58	1.05	3.9	4.0
3 x 0.2	40/0.08	0.58	1.05	4.2	3.5
4 x 0.2	40/0.08	0.58	1.05	4.5	2.8
6 x 0.2	40/0.08	0.58	1.05	5.2	2.5
8 x 0.2	40/0.08	0.58	1.05	5.9	2.3
10 x 0.2	40/0.08	0.58	1.05	6.6	2.2
12 x 0.2	40/0.08	0.58	1.05	6.5	2.1
15 x 0.2	40/0.08	0.58	1.05	7.0	2.1
20 x 0.2	40/0.08	0.58	1.05	7.8	1.9
2 x 0.3	60/0.08	0.72	1.25	4.4	4.8
3 x 0.3	60/0.08	0.72	1.25	4.6	4.2
4 x 0.3	60/0.08	0.72	1.25	5.1	3.4
6 x 0.3	60/0.08	0.72	1.25	5.8	2.9
8 x 0.3	60/0.08	0.72	1.25	6.7	2.7
10 x 0.3	60/0.08	0.72	1.25	7.5	2.6
12 x 0.3	60/0.08	0.72	1.25	7.4	2.5
15 x 0.3	60/0.08	0.72	1.25	7.9	2.5
20 x 0.3	60/0.08	0.72	1.25	9.0	2.3
2 x 0.5	7/14/0.08	1.04	1.65	5.3	6.4
3 x 0.5	7/14/0.08	1.04	1.65	5.6	5.6
4 x 0.5	7/14/0.08	1.04	1.65	6.1	4.5
6 x 0.5	7/14/0.08	1.04	1.65	7.2	3.9
8 x 0.5	7/14/0.08	1.04	1.65	8.3	3.6
10 x 0.5	7/14/0.08	1.04	1.65	9.4	3.4
12 x 0.5	7/14/0.08	1.04	1.65	9.3	3.4
15 x 0.5	7/14/0.08	1.04	1.65	10.0	3.3
20 x 0.5	7/14/0.08	1.04	1.65	11.5	3.0
2 x 0.75	7/20/0.08	1.24	2.00	6.1	8.8
3 x 0.75	7/20/0.08	1.24	2.00	6.5	7.7
4 x 0.75	7/20/0.08	1.24	2.00	7.1	6.2
6 x 0.75	7/20/0.08	1.24	2.00	8.3	5.4
8 x 0.75	7/20/0.08	1.24	2.00	9.7	5.0
10 x 0.75	7/20/0.08	1.24	2.00	11.2	4.7
2 x 1.25	7/36/0.08	1.66	2.55	7.3	12.8
3 x 1.25	7/36/0.08	1.66	2.55	7.7	11.2
4 x 1.25	7/36/0.08	1.66	2.55	8.5	9.0
6 x 1.25	7/36/0.08	1.66	2.55	10.2	7.8

Other dimensions and colors are possible on request.

Outstanding Features

- Small outer diameter and small bending radius
- Continuously flexible
- No toxicity
- No flame propagation
- Flame retardant and self-extinguishing