

Flexible Shielded Core Type

RoHS

KWF 및 KWS 승인제품

한국산업규격 승인제품

전기용품 안전인증 승인제품

산업용 공강 저동화 기계 케이블

테프론·실리콘 제품

일반제품

참고자료

KIFLEX MVV - SB

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

Super fine conductor / Colour coded / Braid shielded

KIFLEX MVV-SB is signal interconnecting or control cable between the main body and control system used for the industrial robots and used for the low speed cable chains for manufacturing 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
Shield	Tinned copper braid shield
Sheath	Special Poly Vinyl Chloride
Sheath Color	Black(Color can be changed after consultation)

Technical Data

Nominal Rating	80°C, 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 12.5
flexible application	Overall diameter x 17
Temperature range	
fixed laying	-20°C ~ +80°C
flexible application	-10°C ~ +80°C
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. / mm ²)	Conductor strands (EA / mm)	Conductor diameter (mm)	Insulation diameter (mm)	Overall diameter (mm)	Max. current (A)
2 x 0.2	40/0.08	0.58	1.05	4.5	4.0
3 x 0.2	40/0.08	0.58	1.05	4.6	3.5
4 x 0.2	40/0.08	0.58	1.05	5.0	2.8
6 x 0.2	40/0.08	0.58	1.05	5.6	2.5
8 x 0.2	40/0.08	0.58	1.05	6.4	2.3
10 x 0.2	40/0.08	0.58	1.05	7.1	2.2
12 x 0.2	40/0.08	0.58	1.05	7.0	2.1
15 x 0.2	40/0.08	0.58	1.05	7.5	2.1
20 x 0.2	40/0.08	0.58	1.05	8.4	1.9
2 x 0.3	60/0.08	0.72	1.25	5.0	4.8
3 x 0.3	60/0.08	0.72	1.25	5.2	4.2
4 x 0.3	60/0.08	0.72	1.25	5.5	3.4
6 x 0.3	60/0.08	0.72	1.25	6.3	2.9
8 x 0.3	60/0.08	0.72	1.25	7.2	2.7
10 x 0.3	60/0.08	0.72	1.25	8.0	2.6
12 x 0.3	60/0.08	0.72	1.25	7.9	2.5
15 x 0.3	60/0.08	0.72	1.25	8.5	2.5
20 x 0.3	60/0.08	0.72	1.25	9.5	2.3
2 x 0.5	7/14/0.08	1.04	1.65	5.8	6.4
3 x 0.5	7/14/0.08	1.04	1.65	6.1	5.6
4 x 0.5	7/14/0.08	1.04	1.65	6.6	4.5
6 x 0.5	7/14/0.08	1.04	1.65	7.6	3.9
8 x 0.5	7/14/0.08	1.04	1.65	8.7	3.6
10 x 0.5	7/14/0.08	1.04	1.65	10.0	3.4
12 x 0.5	7/14/0.08	1.04	1.65	9.8	3.4
15 x 0.5	7/14/0.08	1.04	1.65	10.6	3.3
20 x 0.5	7/14/0.08	1.04	1.65	12.0	3.0
2 x 0.75	7/20/0.08	1.24	2.00	6.6	8.8
3 x 0.75	7/20/0.08	1.24	2.00	6.9	7.7
4 x 0.75	7/20/0.08	1.24	2.00	7.5	6.2
6 x 0.75	7/20/0.08	1.24	2.00	8.8	5.4
8 x 0.75	7/20/0.08	1.24	2.00	10.2	5.0
10 x 0.75	7/20/0.08	1.24	2.00	11.8	4.7
2 x 1.25	7/36/0.08	1.66	2.55	7.8	12.8
3 x 1.25	7/36/0.08	1.66	2.55	8.3	11.2
4 x 1.25	7/36/0.08	1.66	2.55	8.9	9.0
6 x 1.25	7/36/0.08	1.66	2.55	10.7	7.8

Other dimensions and colors are possible on request.

Outstanding Features

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