




# Super Flexible Shielded Core Type

RoHS

## KIFLEX MFHV - SB

E 150633  AWM 2517 105°C 300V VW-1  AWM I/II A/B 105°C 300V  
FT1 KIFLEX MFHV - SB 10CX 24AWG KWANGIL  RoHS = M =

Super fine conductor / Fluorine Insulation / Colour coded / Braid shielded

KIFLEX MFHV - SB is signal interconnecting or power supply cable used for the high speed cable chains of manufacturing automatic machine or internal or external wiring of the industrial robots system.

### Construction

Conductor	Tinned annealed copper standard acc. to IEC 60228 EN 60228, VDE 0295 Class 6
Insulation	Fluorine compound
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	105°C, 300V
Insulation Resistance	Min. 1000MΩ/km
Spark Test Voltage	AC 2500V
Dielectric Test Voltage	
Core/Core	AC 200V / 1 min
Core/Screen	AC 1200V / 1 min
Min. bending radius	
fixed laying	Overall diameter x 8
flexible application	Overall diameter x 10
Temperature range	
fixed laying	-20°C ~ +105°C
flexible application	-10°C ~ +105°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 <sup>2</sup> )	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	0.95	4.0	6.4
3 x 0.2	40/0.08	0.58	0.95	4.2	5.6
4 x 0.2	40/0.08	0.58	0.95	4.4	4.5
6 x 0.2	40/0.08	0.58	0.95	5.0	3.9
8 x 0.2	40/0.08	0.58	0.95	5.6	3.6
10 x 0.2	40/0.08	0.58	0.95	6.0	3.4
12 x 0.2	40/0.08	0.58	0.95	6.2	3.4
15 x 0.2	40/0.08	0.58	0.95	6.6	3.3
20 x 0.2	40/0.08	0.58	0.95	7.2	3.0
2 x 0.3	60/0.08	0.72	1.15	4.4	8.0
3 x 0.3	60/0.08	0.72	1.15	4.6	7.0
4 x 0.3	60/0.08	0.72	1.15	4.9	5.6
6 x 0.3	60/0.08	0.72	1.15	5.6	4.9
8 x 0.3	60/0.08	0.72	1.15	6.3	4.5
10 x 0.3	60/0.08	0.72	1.15	6.8	4.3
12 x 0.3	60/0.08	0.72	1.15	7.1	4.2
15 x 0.3	60/0.08	0.72	1.15	7.5	4.1
20 x 0.3	60/0.08	0.72	1.15	8.3	3.8
2 x 0.5	7/14/0.08	1.04	1.40	4.9	11.2
3 x 0.5	7/14/0.08	1.04	1.40	5.1	9.8
4 x 0.5	7/14/0.08	1.04	1.40	5.5	7.8
6 x 0.5	7/14/0.08	1.04	1.40	6.4	6.9
8 x 0.5	7/14/0.08	1.04	1.40	7.3	6.3
10 x 0.5	7/14/0.08	1.04	1.40	7.9	6.0
12 x 0.5	7/14/0.08	1.04	1.40	8.2	5.9
15 x 0.5	7/14/0.08	1.04	1.40	8.8	5.7
20 x 0.5	7/14/0.08	1.04	1.40	9.8	5.3
2 x 0.75	7/20/0.08	1.24	1.70	5.5	16.0
3 x 0.75	7/20/0.08	1.24	1.70	5.8	14.0
4 x 0.75	7/20/0.08	1.24	1.70	6.3	11.2
6 x 0.75	7/20/0.08	1.24	1.70	7.3	9.8
8 x 0.75	7/20/0.08	1.24	1.70	8.4	9.0
10 x 0.75	7/20/0.08	1.24	1.70	9.1	8.6
2 x 1.25	7/36/0.08	1.66	2.10	6.4	21.6
3 x 1.25	7/36/0.08	1.66	2.10	6.7	18.9
4 x 1.25	7/36/0.08	1.66	2.10	7.3	15.1
6 x 1.25	7/36/0.08	1.66	2.10	8.6	13.2

Other dimensions and colors are possible on request.

### Outstanding Features

- Small outer diameter and small bending radius
- Continuously Super flexible
- Good EMC characteristics
- Low friction of fluorine insulation
- No toxicity
- No flame propagation
- Flame retardant and self-extinguishing