

High Flexible Shielded Core Type

RoHS



KIFLEX MPEV - SB

E 150633 AWM 2464 80°C 300V VW-1 AWM I/II A/B 80°C 300V
FT1 KIFLEX MPEV-SB 2CX24AWG KWANGIL RoHS = M =

Super fine conductor / Colour coded / Braid shielded

KIFLEX MPEV - SB is signal interconnecting or control cable used for the cable chains or internal wiring of the industrial robots.

Construction

Conductor	Tinned annealed copper standard acc. to IEC 60228 EN 60228, VDE 0295 Class 6
Insulation	Special Polyethylene
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. 1000MΩ/km
Spark Test Voltage	AC 500V
Dielectric Test Voltage	
Core/Core	AC 500V / 1 min
Core/Screen	AC 300V / 1 min
Min. bending radius	
fixed laying	Overall diameter x 10
flexible application	Overall diameter x 12
90° L&R Bending Test	5,000,000 more
U - Bending Test	10,000,000 more
Torsion Test	10,000,000 more
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	1.00	4.4	4.8
3 x 0.2	40/0.08	0.58	1.00	4.5	4.2
4 x 0.2	40/0.08	0.58	1.00	4.9	3.4
6 x 0.2	40/0.08	0.58	1.00	5.5	2.9
8 x 0.2	40/0.08	0.58	1.00	6.2	2.7
10 x 0.2	40/0.08	0.58	1.00	6.8	2.6
12 x 0.2	40/0.08	0.58	1.00	6.7	2.5
15 x 0.2	40/0.08	0.58	1.00	7.2	2.5
20 x 0.2	40/0.08	0.58	1.00	8.0	2.3
2 x 0.3	60/0.08	0.72	1.25	5.0	6.4
3 x 0.3	60/0.08	0.72	1.25	5.2	5.6
4 x 0.3	60/0.08	0.72	1.25	5.5	4.5
6 x 0.3	60/0.08	0.72	1.25	6.3	3.9
8 x 0.3	60/0.08	0.72	1.25	7.2	3.6
10 x 0.3	60/0.08	0.72	1.25	8.0	3.4
12 x 0.3	60/0.08	0.72	1.25	7.9	3.4
15 x 0.3	60/0.08	0.72	1.25	8.5	3.3
20 x 0.3	60/0.08	0.72	1.25	9.5	3.0
2 x 0.5	7/14/0.08	1.04	1.65	5.8	8.0
3 x 0.5	7/14/0.08	1.04	1.65	6.1	7.0
4 x 0.5	7/14/0.08	1.04	1.65	6.6	5.6
6 x 0.5	7/14/0.08	1.04	1.65	7.6	4.9
8 x 0.5	7/14/0.08	1.04	1.65	8.7	4.5
10 x 0.5	7/14/0.08	1.04	1.65	10.0	4.3
12 x 0.5	7/14/0.08	1.04	1.65	9.8	4.2
15 x 0.5	7/14/0.08	1.04	1.65	10.6	4.1
20 x 0.5	7/14/0.08	1.04	1.65	12.0	3.8
2 x 0.75	7/20/0.08	1.24	1.90	6.4	11.2
3 x 0.75	7/20/0.08	1.24	1.90	6.7	9.8
4 x 0.75	7/20/0.08	1.24	1.90	7.3	7.8
6 x 0.75	7/20/0.08	1.24	1.90	8.5	6.9
8 x 0.75	7/20/0.08	1.24	1.90	9.3	6.3
10 x 0.75	7/20/0.08	1.24	1.90	10.7	6.0
2 x 1.25	7/36/0.08	1.66	2.50	7.7	15.2
3 x 1.25	7/36/0.08	1.66	2.50	8.2	13.3
4 x 1.25	7/36/0.08	1.66	2.50	8.8	10.6
6 x 1.25	7/36/0.08	1.66	2.50	10.6	9.3

Other dimensions and colors are possible on request.

Outstanding Features

- Small outer diameter and small bending radius
- Continuously high flexible
- Good EMC characteristics
- Specially formulated durable PE insulation
- No toxicity
- No flame propagation
- Flame retardant and self-extinguishing