

Super Flexible Shielded Core Type

RoHS



KIFLEX RFHU - SB

E 150633 AWM 20233 80°C 300V VW-1 c AWM I/II A/B 80°C 300V
FT1 KIFLEX RFHU-SB 15CX24AWG KWANGIL CE RoHS = M =

Super fine conductor / Fluorine Insulation / Colour coded / Braid shielded / Special TPU sheath

KIFLEX RFHU - SB is signal interconnecting or power supply cable used for the high speed cable chains of manufacturing automatic machine or arm of the industrial robots.

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	80°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 ~ +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. / mm²)	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	4.5	6.4
3 x 0.2	40/0.08	0.58	0.95	4.6	5.6
4 x 0.2	40/0.08	0.58	0.95	4.9	4.5
6 x 0.2	40/0.08	0.58	0.95	5.5	3.9
8 x 0.2	40/0.08	0.58	0.95	6.2	3.6
10 x 0.2	40/0.08	0.58	0.95	6.8	3.4
12 x 0.2	40/0.08	0.58	0.95	6.7	3.4
15 x 0.2	40/0.08	0.58	0.95	7.2	3.3
20 x 0.2	40/0.08	0.58	0.95	7.9	3.0
2 x 0.3	60/0.08	0.72	1.15	4.8	8.0
3 x 0.3	60/0.08	0.72	1.15	5.0	7.0
4 x 0.3	60/0.08	0.72	1.15	5.3	5.6
6 x 0.3	60/0.08	0.72	1.15	6.0	4.9
8 x 0.3	60/0.08	0.72	1.15	6.7	4.5
10 x 0.3	60/0.08	0.72	1.15	7.2	4.3
12 x 0.3	60/0.08	0.72	1.15	7.4	4.2
15 x 0.3	60/0.08	0.72	1.15	7.9	4.1
20 x 0.3	60/0.08	0.72	1.15	8.6	3.8
2 x 0.5	7/14/0.08	1.04	1.40	5.3	11.2
3 x 0.5	7/14/0.08	1.04	1.40	5.5	9.8
4 x 0.5	7/14/0.08	1.04	1.40	5.9	7.8
6 x 0.5	7/14/0.08	1.04	1.40	6.7	6.9
8 x 0.5	7/14/0.08	1.04	1.40	7.6	6.3
10 x 0.5	7/14/0.08	1.04	1.40	8.2	6.0
12 x 0.5	7/14/0.08	1.04	1.40	8.4	5.9
15 x 0.5	7/14/0.08	1.04	1.40	9.0	5.7
20 x 0.5	7/14/0.08	1.04	1.40	9.9	5.3
2 x 0.75	7/20/0.08	1.24	1.70	6.2	16.0
3 x 0.75	7/20/0.08	1.24	1.70	6.4	14.0
4 x 0.75	7/20/0.08	1.24	1.70	6.9	11.2
6 x 0.75	7/20/0.08	1.24	1.70	8.0	9.8
8 x 0.75	7/20/0.08	1.24	1.70	9.1	9.0
10 x 0.75	7/20/0.08	1.24	1.70	10.4	8.6
2 x 1.25	7/36/0.08	1.66	2.10	7.0	21.6
3 x 1.25	7/36/0.08	1.66	2.10	7.4	18.9
4 x 1.25	7/36/0.08	1.66	2.10	7.9	15.1
6 x 1.25	7/36/0.08	1.66	2.10	9.3	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
- Superior resistance to oil, abrasion, chemical
- No toxicity
- No flame propagation
- Flame retardant and self-extinguishing