

High Flexible Non Shielded Core Type

RoHS



KIFLEX MPEU

E 150633 AWM 20936 80°C 300V VW-1 c AWM I/II A/B 80°C 300V
FT1 KIFLEX MPEU 2C X 24AWG KWANGIL CE RoHS = M =

Super Fine Conductor / Colour Coded / Special TPU sheathed

KIFLEX MPEU is signal interconnecting or control cable used for the cable chains of manufacturing automatic machine 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
Sheath	Special Polyurethane
Sheath Color	Black(Color can be changed after consultation)

Technical Data

Nomianl 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 8
Flexible application	Overall diameter x 8
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	4.0	4.8
3 x 0.2	40/0.08	0.58	1.00	4.2	4.2
4 x 0.2	40/0.08	0.58	1.00	4.6	3.4
6 x 0.2	40/0.08	0.58	1.00	5.2	2.9
8 x 0.2	40/0.08	0.58	1.00	5.9	2.7
10 x 0.2	40/0.08	0.58	1.00	6.6	2.6
12 x 0.2	40/0.08	0.58	1.00	6.5	2.5
15 x 0.2	40/0.08	0.58	1.00	6.9	2.5
20 x 0.2	40/0.08	0.58	1.00	7.7	2.3
2 x 0.3	60/0.08	0.72	1.25	4.6	6.4
3 x 0.3	60/0.08	0.72	1.25	4.8	5.6
4 x 0.3	60/0.08	0.72	1.25	5.3	4.5
6 x 0.3	60/0.08	0.72	1.25	6.0	3.9
8 x 0.3	60/0.08	0.72	1.25	6.9	3.6
10 x 0.3	60/0.08	0.72	1.25	7.7	3.4
12 x 0.3	60/0.08	0.72	1.25	7.6	3.4
15 x 0.3	60/0.08	0.72	1.25	8.1	3.3
20 x 0.3	60/0.08	0.72	1.25	9.2	3.0
2 x 0.5	7/14/0.08	1.04	1.65	5.5	8.0
3 x 0.5	7/14/0.08	1.04	1.65	5.8	7.0
4 x 0.5	7/14/0.08	1.04	1.65	6.3	5.6
6 x 0.5	7/14/0.08	1.04	1.65	7.4	4.9
8 x 0.5	7/14/0.08	1.04	1.65	8.5	4.5
10 x 0.5	7/14/0.08	1.04	1.65	9.6	4.3
12 x 0.5	7/14/0.08	1.04	1.65	9.5	4.2
15 x 0.5	7/14/0.08	1.04	1.65	10.2	4.1
20 x 0.5	7/14/0.08	1.04	1.65	11.7	3.8
2 x 0.75	7/20/0.08	1.24	1.90	6.1	11.2
3 x 0.75	7/20/0.08	1.24	1.90	6.4	9.8
4 x 0.75	7/20/0.08	1.24	1.90	6.9	7.8
6 x 0.75	7/20/0.08	1.24	1.90	8.1	6.9
8 x 0.75	7/20/0.08	1.24	1.90	9.5	6.3
10 x 0.75	7/20/0.08	1.24	1.90	10.9	6.0
2 x 1.25	7/36/0.08	1.66	2.50	7.4	15.2
3 x 1.25	7/36/0.08	1.66	2.50	7.8	13.3
4 x 1.25	7/36/0.08	1.66	2.50	8.6	10.6
6 x 1.25	7/36/0.08	1.66	2.50	10.2	9.3

Other dimensions and colors are possible on request.

Outstanding Features

- Small outer diameter and small bending radius
- Continuously high flexible
- Specially formulated durable PE insulation
- Superior resistance to oil, abrasion, chemical
- No toxicity
- No flame propagation
- Flame retardant and self-extinguishing