North America

Heating catalogue 2023

WIPE hotwire
The trusted manufacturing partner

Content

INDOOR HEATING

4 Underfloor heating cable 3.8 W/ft. & mat (15W/Sqft.) - For all surfaces
6 Aluminum foil heating mat 14 W/Sq.ft. - floating floors
7 In-slab underfloor heating cable 5.6 W/ft. & Mat 19 W/Sqft. all surfaces larger area
8 In-concrete, earth-soil heating cable 12.5 W/ft. & mat (50W/Sqft.) very large areas

OUTDOOR HEATING

10 Snow melting heating cable 12.5 W/ft. & Mat 50W/Sqft. - In-Concrete
12 Snow melting heating cable 12.5 W/ft. & Mat 50W/Sqft. - In-asphalt
14 Constant wattage Cable 5 W/Ft. - 12 W/Ft. - Roof and Gutter
15 Constant wattage - Self Regulating 3W/Ft - 12 W/Ft. - roof and gutter
15 Frost Free Cable with Thermostat: 3 W/Ft. - Water Pipes
16 Snow melt rubber mat 120 W / 300 W walkways & stairs

WIPE

18 Indoor and outdoor heating cables
19 Corporate social responsibility

About us

Established in 2004

We offer well-engineered and high quality products that meet International safety and performance standards.

- Underfloor heating cables/mats, snow melting & de-icing cables & trace heating cables

- Specility wires & cables Internal wiring of panels & electrical equipments

Quality & Environmental Management Policy

WIPE Hotwire is committed to satisfying customers by delivering quality products and services, in accordance with their specified and implied needs, as well as meeting product-related statutory and regulatory requirements.

WIPE Hotwire credo

4S

SHANTI
(Peace)

SADBHAWNA
(Compassion)

SADACHAR
(Good Conduct)

SWABHIMAN
(Pride)

 # WIPE hotwire Credo/Culture

Underfloor heating cable 3.8 W/ft. & mat 15W/Sqft. - all surfaces

Heating cable

Heating conductor	Twin solid/multi-strand conductors (both heating)
Insulation	ETFE (Thickness-12Mil)
Shielding	Aluminium foil with drain Wire/TPC braiding
Outer jacket	High temperature PVC (thickness-30Mil)
Cable dia.	0,2 inch
Linear wattage	3.8 W/Ft.
Supply voltage	120V & 240V 60HZ.

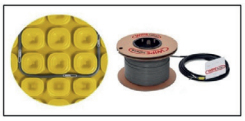
Heating Mat

Carrier	FG Mesh , De-coupling Membrane
Mesh Type	Sticky / Non. Sticky
Mesh Width	1.64 Ft.
Heat density(Spacing)	11.4(4.0"),12(3.75") & 15.2(3.0") W/ Sqft.

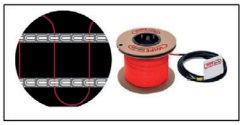
Supply lead/cold tail

Connection type	Separate, integrated
Conductor	Soilid/multi-strand tinned Copper (AWG 18 &16)
Insulation	ETFE (thickness-12Mil)
Shielding	Aluminium foil with Drain wire/TPC braiding
Outer jacket	High temperature PVC (thickness-30Mil)
Length of cable	(8-16) Ft.
Standard	cUL: UL758, UL1683 UL-11537, UL-21937, CSA C22.2 NO130-03, wet rated, UL file no. E362396

De-coupling membrane friendly



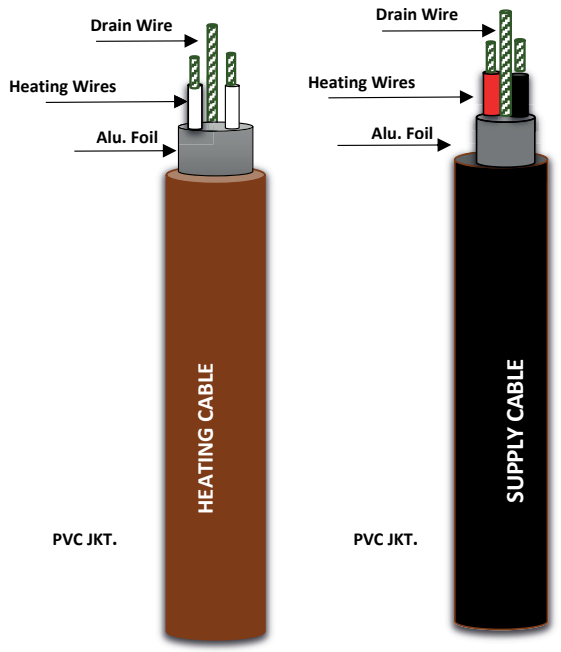
Installation strip friendly

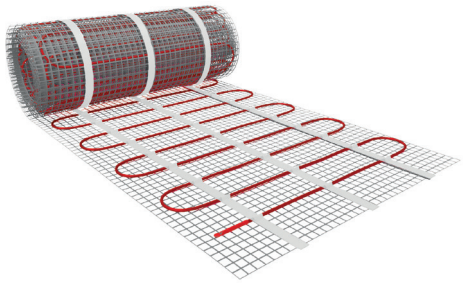


c UL us LISTED

Suitable for Indoor Heating

Product model	Watts	Cable length	Mat area at 3" spacing		Resistance	Current
120V		(ft.)	Mat area(ft²)	Mat length (ft.)	(Total)	Amp.
WFC/M120-3.8W-029	110	29	7,3	4,5	130,91	0,92
WFC/M120-3.8W-039	148	39	9,9	6,0	97,30	1,23
WFC/M120-3.8W-049	185	49	12,3	7,5	77,84	1,54
WFC/M120-3.8W-068	259	68	17,3	10,5	55,60	2,16
WFC/M120-3.8W-088	333	88	22,2	13,5	43,24	2,78
WFC/M120-3.8W-117	444	117	29,6	18,0	32,43	3,70
WFC/M120-3.8W-146	555	146	37,0	22,6	25,95	4,63
WFC/M120-3.8W-175	666	175	44,4	27,1	21,62	5,55
WFC/M120-3.8W-214	814	214	54,3	33,1	17,69	6,78
WFC/M120-3.8W-253	962	253	64,1	39,1	14,97	8,02
WFC/M120-3.8W-292	1110	292	74,0	45,1	12,97	9,25
WFC/M120-3.8W-331	1258	331	83,9	51,1	11,45	10,48
WFC/M120-3.8W-365	1388	365	92,5	56,4	10,37	11,57
WFC/M120-3.8W-421	1598	421	106,5	65,0	9,01	13,32
WFC/M120-3.8W-447	1700	447	113,3	69,1	8,47	14,17





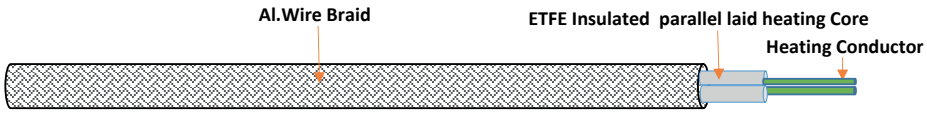
Product model	Watts	Cable length	Mat area at 3" spacing		Resistance	Current
240V		(ft.)	Mat area(ft²)	Mat length (ft.)	(Total)	Amp.
WFC/M 240-3.8W-029	110	29	7,3	4,5	523,64	0,46
WFC/M 240-3.8W-054	204	54	13,6	8,3	282,35	0,85
WFC/M 240-3.8W-063	241	63	16,1	9,8	239,00	1,00
WFC/M 240-3.8W-073	278	73	18,5	11,3	207,19	1,16
WFC/M 240-3.8W-093	352	93	23,5	14,3	163,64	1,47
WFC/M 240-3.8W-112	426	112	28,4	17,3	135,21	1,78
WFC/M 240-3.8W-151	574	151	38,3	23,3	100,35	2,39
WFC/M 240-3.8W-190	722	190	48,1	29,3	79,78	3,01
WFC/M 240-3.8W-229	870	229	58,0	35,4	66,21	3,63
WFC/M 240-3.8W-268	1018	268	67,9	41,4	56,58	4,24
WFC/M 240-3.8W-307	1166	307	77,7	47,4	49,40	4,86
WFC/M 240-3.8W-346	1314	346	87,6	53,4	43,84	5,48
WFC/M 240-3.8W-385	1462	385	97,5	59,4	39,40	6,09
WFC/M 240-3.8W-424	1610	424	107,3	65,4	35,78	6,71
WFC/M 240-3.8W-502	1906	502	127,1	77,5	30,22	7,94
WFC/M 240-3.8W-579	2202	579	146,8	89,5	26,16	9,18
WFC/M 240-3.8W-657	2498	657	166,5	101,5	23,06	10,41
WFC/M 240-3.8W-729	2771	729	184,7	112,6	20,79	11,55
WFC/M 240-3.8W-841	3197	841	213,1	130,0	18,02	13,32
WFC/M 240-3.8W-895	3400	895	226,7	138,21	16,94	14,17

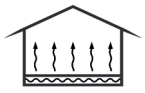
Series: WFC: Cable: 3.8 W/Ft., <4.0 W/Ft. (+5%)
Series: WFM: Mat: Nom.15 W/Sq.ft., <15.8 W/sq.ft (+5%)(@ 3" spacing)
Cable spacing can be adusted but not < 3"

Laminated aluminium foil mat 14 W/Ft² - for floating floor

Specification

Heating conductor	Twin solid conductor (both heating)
Insulation	ETFE (Thickness-0.012 Inch)
Wire dia.	0.035-0.043 Inch
Outer shielding	0.004" Aluminium wire braiding (for easy earth connection)
Cable size	0.095 X 0.055 Inch (flat shielded cable)
Aluminium foil	Self-adhesive aluminium foil (14µ) laminated glass fiber cloth (150 µ)
Mat width	1.64 Ft.
Final mat thickness	0.059-0.067 Inch
Heat density	14 W/Sq.ft.
Wire spacing	3 inch
Operating voltage	120 V
Linear wattage	3.3W/Ft.
Cold tail	15Ft. long





Suitable for Indoor Heating

Product model	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area (ft²)	Mat length (ft.)	(Ω)	Amp.
WUFAFM-120-14-9.0	126	39	9,0	5,5	114,3	1,1
WUFAFM-120-14-12.0	168	51	12,0	7,3	85,7	1,4
WUFAFM-120-14-18.0	252	77	18,0	11,0	57,1	2,1
WUFAFM-120-14-24.0	336	103	24,0	14,6	42,9	2,8
WUFAFM-120-14-30.0	420	129	30,0	18,3	34,3	3,5
WUFAFM-120-14-36.0	504	154	36,0	22,0	28,6	4,2
WUFAFM-120-14-42.0	588	180	42,0	25,6	24,5	4,9
WUFAFM-120-14-48.0	672	206	48,0	29,3	21,4	5,6
WUFAFM-120-14-54.0	756	232	54,0	32,9	19,0	6,3
WUFAFM-120-14-60.0	840	257	60,0	36,6	17,1	7,0

In-slab underfloor heating cable 5.6 W/ft all surfaces (larger area)

Heating cable

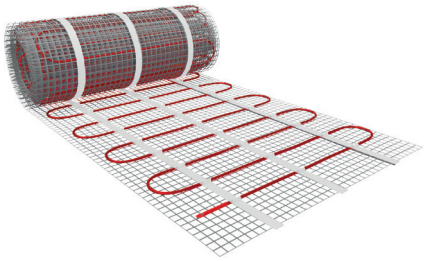
Heating conductor	Multi-strand
Return conductor	Multi-strand- tin plated copper
Earth conductor	Tin plated copper
Insulation	XLPE
Shielding	Polyester laminated al. foil
Outer jacket	High temperature PVC
Cable dia (Nom.)	0.275 Inch
Linear wattage	5.6 W/Ft.
Supply voltage	240 V, 60 Hz

Supply lead / cold tail

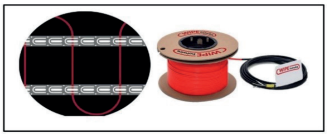
Cold tails	Integrated/seperate
Conductor	Solid/ multi-strand tinned copper (AWG 18 &16)
Insulation	XLPE
Shielding	Aluminium foil with drain wire
Outer jacket	High temperature PVC (thick ness-30Mil)
Length of cable	10 - 15 Ft.

Heating mat

Carrier	Metallic fixing strip
Mesh type	FG Mesh / Cross filament tape
Mesh width	1.64 Ft.
Heat density	19 W/Ft.^{2}
Cable spacing	3,5 Inch



c UL us LISTED



Metallic Fixing Strip friendly

Suitable for Indoor Heating

Product model	Watts	Cable	Mat area at 3,5" spacing		Resistance	Current
		Length (ft.)	Mat area(Ft^2)	Mat length (ft.)	(Ω)	Amp.
WISHX-240-5.6-029	163	29	8,6	5,2	353,4	0,68
WISHX-240-5.6-058	327	58	17,2	10,5	176,1	1,36
WISHX-240-5.6-077	436	77	22,9	14,0	132,1	1,82
WISHX-240-5.6-096	544	96	28,6	17,5	105,9	2,27
WISHX-240-5.6-116	653	116	34,4	21,0	88,2	2,72
WISHX-240-5.6-126	711	126	37,4	22,8	81,0	2,96
WISHX-240-5.6-137	774	137	40,7	24,8	74,4	3,23
WISHX-240-5.6-149	843	149	44,4	27,1	68,3	3,51
WISHX-240-5.6-163	918	163	48,3	29,5	62,7	3,83
WISHX-240-5.6-290	1633	290	85,9	52,4	35,3	6,80
WISHX-240-5.6-328	1851	328	97,4	59,4	31,1	7,71
WISHX-240-5.6-405	2287	405	120,4	73,4	25,2	9,53
WISHX-240-5.6-502	2831	502	149,0	90,9	20,3	11,80
WISHX-240-5.6-560	3158	560	166,2	101,3	18,2	13,16
WISHX-240-5.6-637	3593	637	189,1	115,3	16,0	14,97

In-concrete, earth-soil heating cable 12.5 W/ft. & mat 50W/Sq.ft. - very large areas

Heating cable

Heating conductor	Twin solid/multi-strand conductors (both heating)
Insulation compound	ETFE
Insulation thickness	0.012"
Drain wire	Solid/multi-strand
Shielding	Polyester laminated alu. foil with drain wire/ATC braid
Outer jacket	High temperature PVC
Cable dia.	0.20" approx
Linear wattage	12.5 W/Ft.
Power supply	120V, 208V, 240V, 277V, 347V, 60HZ.

Heating mat

Carrier	Glass fiber/nylon mesh
Mesh type	Sticky/non. sticky
Mesh width	1.64 Ft.
Heat density	50 W/Sqft.
Cable sapcing	3 Inch

Cold tail

Connection type	Separate, integrated
Conductor	Solid/multi-strand tinned copper (AWG 18-14)
Core insulation	ETFE
Insulation thickness	0.012"
Drain wire	Solid/multi-strand ATC
Shielding	Polyester laminated alu. foil with drain wire/ATC braid
Outer jacket	High temperature PVC
Cold tail length	10 Ft. to 20 Ft.

Product model 120 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WESC/M120-12-040	500,0	40,0	10,0	6,1	28,8	4,2
WESC/M120-12-060	750,0	60,0	15,0	9,1	19,2	6,3
WESC/M120-12-080	1000,0	80,0	20,0	12,2	14,4	8,3
WESC/M120-12-100	1250,0	100,0	25,0	15,2	11,5	10,4
WESC/M120-12-120	1500,0	120,0	30,0	18,3	9,6	12,5
WESC/M120-12-140	1750,0	140,0	35,0	21,3	8,2	14,6
WESC/M120-12-180	2250,0	180,0	45,0	27,4	6,4	18,8

Product model 208 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WESC/M208-12-080	1000,0	80,0	20,0	12,2	43,3	4,8
WESC/M208-12-096	1200,0	96,0	24,0	14,6	36,1	5,8
WESC/M208-12-100	1250,0	100,0	25,0	15,2	34,6	6,0
WESC/M208-12-120	1500,0	120,0	30,0	18,3	28,8	7,2
WESC/M208-12-140	1750,0	140,0	35,0	21,3	24,7	8,4
WESC/M208-12-160	2000,0	160,0	40,0	24,4	21,6	9,6
WESC/M208-12-180	2250,0	180,0	45,0	27,4	19,2	10,8
WESC/M208-12-192	2400,0	192,0	48,0	29,3	18,0	11,5
WESC/M208-12-200	2500,0	200,0	50,0	30,5	17,3	12,0
WESC/M208-12-240	3000,0	240,0	60,0	36,6	14,4	14,4
WESC/M208-12-360	4500,0	360,0	90,0	54,9	9,6	21,6

Heating/supply cable

Wire - UL10086
Cable - UL 2464
File NO: E362396

Standard

UL-2683
CSA C22.2 NO:130
CCN: KQYZ,KQYZ/7

Suitable for Indoor Heating

c UL us LISTED

Product model 240 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WESC/M240-12-080	1000,0	80,0	20,0	12,2	57,6	4,2
WESC/M240-12-100	1250,0	100,0	25,0	15,2	46,1	5,2
WESC/M240-12-120	1500,0	120,0	30,0	18,3	38,4	6,3
WESC/M240-12-140	1750,0	140,0	35,0	21,3	32,9	7,3
WESC/M240-12-160	2000,0	160,0	40,0	24,4	28,8	8,3
WESC/M240-12-180	2250,0	180,0	45,0	27,4	25,6	9,4
WESC/M240-12-200	2500,0	200,0	50,0	30,5	23,0	10,4
WESC/M240-12-240	3000,0	240,0	60,0	36,6	19,2	12,5
WESC/M240-12-280	3500,0	280,0	70,0	42,7	16,5	14,6
WESC/M240-12-320	4000,0	320,0	80,0	48,8	14,4	16,7
WESC/M240-12-360	4500,0	360,0	90,0	54,9	12,8	18,8
WESC/M240-12-401	5009,0	400,7	100,2	61,1	11,5	20,9

Product model 277 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WESC/M277-12-080	1000,0	80,0	20,0	12,2	76,7	3,6
WESC/M277-12-096	1200,0	96,0	24,0	14,6	63,9	4,3
WESC/M277-12-100	1250,0	100,0	25,0	15,2	61,4	4,5
WESC/M277-12-120	1500,0	120,0	30,0	18,3	51,2	5,4
WESC/M277-12-140	1750,0	140,0	35,0	21,3	43,8	6,3
WESC/M277-12-160	2000,0	160,0	40,0	24,4	38,4	7,2
WESC/M277-12-192	2400,0	192,0	48,0	29,3	32,0	8,7
WESC/M277-12-200	2500,0	200,0	50,0	30,5	30,7	9,0
WESC/M277-12-240	3000,0	240,0	60,0	36,6	25,6	10,8
WESC/M277-12-280	3500,0	280,0	70,0	42,7	21,9	12,6
WESC/M277-12-320	4000,0	320,0	80,0	48,8	19,2	14,4
WESC/M277-12-360	4500,0	360,0	90,0	54,9	17,1	16,2
WESC/M277-12-480	6000,0	480,0	120,0	73,2	12,8	21,7

Product model 347 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WESC/M347-12-100	1000,0	80,0	20,0	12,2	120,4	2,9
WESC/M347-12-100	1250,0	100,0	25,0	15,2	96,3	3,6
WESC/M347-12-120	1500,0	120,0	30,0	18,3	80,3	4,3
WESC/M347-12-140	1750,0	140,0	35,0	21,3	68,8	5,0
WESC/M347-12-160	2000,0	160,0	40,0	24,4	60,2	5,8
WESC/M347-12-200	2500,0	200,0	50,0	30,5	48,2	7,2
WESC/M347-12-240	3000,0	240,0	60,0	36,6	40,1	8,6
WESC/M347-12-280	3500,0	280,0	70,0	42,7	34,4	10,1
WESC/M347-12-320	4000,0	320,0	80,0	48,8	30,1	11,5
WESC/M347-12-360	4500,0	360,0	90,0	54,9	26,8	13,0
WESC/M347-12-420	5250,0	420,0	105,0	64,0	22,9	15,1
WESC/M347-12-480	6000,0	480,0	120,0	73,2	20,1	17,3

In-concrete heating cable 12.5 W/ft. & mat 50 W/Sq. ft. - snow melting

Heating cable

Heating conductor	Twin solid/multi-strand conductors (both heating)
Insulation compound	ETFE
Insulation thickness	0.012"
Drain wire	Solid/multi-strand
Shielding	Polyester laminated alu. foil with drain wire/ATC braid
Outer jacket	High temperature PVC
Cable dia.	0.20" approx
Linear wattage	12.5 W/Ft.
Power supply	120V, 208V, 240V, 277V, 347V, 60HZ.

Heating mat

Carrier	Glass fiber/nylon mesh
Mesh type	Sticky/non. sticky
Mesh width	1.64 Ft.
Heat density	50 W/Sqft.
Cable sapcing	3 Inch

Cold tail

Connection type	Separate, integrated
Conductor	Solid/multi-strand tinned copper (AWG 18-14)
Core insulation	ETFE
Insulation thickness	0.012"
Drain wire	Solid/multi-strand ATC
Shielding	Polyester laminated alu. foil with drain wire/ATC braid
Outer jacket	High temperature PVC
Cold tail length	10 ft. to 20 ft.

Product model 120 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WSC/M120-12-040	500,0	40,0	10,0	6,1	28,8	4,2
WSC/M120-12-060	750,0	60,0	15,0	9,1	19,2	6,3
WSC/M120-12-080	1000,0	80,0	20,0	12,2	14,4	8,3
WSC/M120-12-100	1250,0	100,0	25,0	15,2	11,5	10,4
WSC/M120-12-120	1500,0	120,0	30,0	18,3	9,6	12,5
WSC/M120-12-140	1750,0	140,0	35,0	21,3	8,2	14,6
WSC/M120-12-180	2250,0	180,0	45,0	27,4	6,4	18,8

Heating/supply cable

Wire - UL10086

Cable - UL 2464

File no. E530065

Standard

UL-515, IEEE 515.1

CSA C22.2 no.130

CCN: KOBQ, KOBQ/7

Product model 208 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WSC/M208-12-080	1000,0	80,0	20,0	12,2	43,3	4,8
WSC/M208-12-096	1200,0	96,0	24,0	14,6	36,1	5,8
WSC/M208-12-100	1250,0	100,0	25,0	15,2	34,6	6,0
WSC/M208-12-120	1500,0	120,0	30,0	18,3	28,8	7,2
WSC/M208-12-140	1750,0	140,0	35,0	21,3	24,7	8,4
WSC/M208-12-160	2000,0	160,0	40,0	24,4	21,6	9,6
WSC/M208-12-180	2250,0	180,0	45,0	27,4	19,2	10,8
WSC/M208-12-192	2400,0	192,0	48,0	29,3	18,0	11,5
WSC/M208-12-200	2500,0	200,0	50,0	30,5	17,3	12,0
WSC/M208-12-240	3000,0	240,0	60,0	36,6	14,4	14,4
WSC/M208-12-360	4500,0	360,0	90,0	54,9	9,6	21,6

Suitable for Outdoor Heating

c UL us LISTED

Product model 240 V	Watts	Cable	Mat area at 3” spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WSC/M240-12-080	1000,0	80,0	20,0	12,2	57,6	4,2
WSC/M240-12-100	1250,0	100,0	25,0	15,2	46,1	5,2
WSC/M240-12-120	1500,0	120,0	30,0	18,3	38,4	6,3
WSC/M240-12-140	1750,0	140,0	35,0	21,3	32,9	7,3
WSC/M240-12-160	2000,0	160,0	40,0	24,4	28,8	8,3
WSC/M240-12-180	2250,0	180,0	45,0	27,4	25,6	9,4
WSC/M240-12-200	2500,0	200,0	50,0	30,5	23,0	10,4
WSC/M240-12-240	3000,0	240,0	60,0	36,6	19,2	12,5
WSC/M240-12-280	3500,0	280,0	70,0	42,7	16,5	14,6
WSC/M240-12-320	4000,0	320,0	80,0	48,8	14,4	16,7
WSC/M240-12-360	4500,0	360,0	90,0	54,9	12,8	18,8
WSC/M240-12-401	5009,0	400,7	100,2	61,1	11,5	20,9

Product model 277 V	Watts	Cable	Mat area at 3” spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WSC/M277-12-080	1000,0	80,0	20,0	12,2	76,7	3,6
WSC/M277-12-096	1200,0	96,0	24,0	14,6	63,9	4,3
WSC/M277-12-100	1250,0	100,0	25,0	15,2	61,4	4,5
WSC/M277-12-120	1500,0	120,0	30,0	18,3	51,2	5,4
WSC/M277-12-140	1750,0	140,0	35,0	21,3	43,8	6,3
WSC/M277-12-160	2000,0	160,0	40,0	24,4	38,4	7,2
WSC/M277-12-192	2400,0	192,0	48,0	29,3	32,0	8,7
WSC/M277-12-200	2500,0	200,0	50,0	30,5	30,7	9,0
WSC/M277-12-240	3000,0	240,0	60,0	36,6	25,6	10,8
WSC/M277-12-280	3500,0	280,0	70,0	42,7	21,9	12,6
WSC/M277-12-320	4000,0	320,0	80,0	48,8	19,2	14,4
WSC/M277-12-360	4500,0	360,0	90,0	54,9	17,1	16,2
WSC/M277-12-480	6000,0	480,0	120,0	73,2	12,8	21,7

Product model 347 V	Watts	Cable	Mat area at 3” spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WSC/M347-12-100	1000,0	80,0	20,0	12,2	120,4	2,9
WSC/M347-12-100	1250,0	100,0	25,0	15,2	96,3	3,6
WSC/M347-12-120	1500,0	120,0	30,0	18,3	80,3	4,3
WSC/M347-12-140	1750,0	140,0	35,0	21,3	68,8	5,0
WSC/M347-12-160	2000,0	160,0	40,0	24,4	60,2	5,8
WSC/M347-12-200	2500,0	200,0	50,0	30,5	48,2	7,2
WSC/M347-12-240	3000,0	240,0	60,0	36,6	40,1	8,6
WSC/M347-12-280	3500,0	280,0	70,0	42,7	34,4	10,1
WSC/M347-12-320	4000,0	320,0	80,0	48,8	30,1	11,5
WSC/M347-12-360	4500,0	360,0	90,0	54,9	26,8	13,0
WSC/M347-12-420	5250,0	420,0	105,0	64,0	22,9	15,1
WSC/M347-12-480	6000,0	480,0	120,0	73,2	20,1	17,3

In-asphalt heating cable 12.5 W/ft. & mat 50W/Sqft. snow melting

Heating cable

Heating conductor	Twin solid/multi-strand conductors (both heating)
Insulation compound	ETFE
Insulation thickness	0.012"
Drain wire	Solid/multi-strand
Shielding	Polyester laminated alu. foil with drain wire/ATC braid
Inner jacket	XLPE, thickness-0.024"
Outer jacket	High temperature PVC
Cable dia.	0.25" approx
Linear wattage	12.5 W/Ft.
Power supply	120V, 208V, 240V, 277V, 347V, 60HZ.

Heating mat

Carrier	Glass fiber/nylon mesh
Mesh type	Sticky/non. sticky
Mesh width	1.64 Ft.
Heat density	50 W/Sqft.
Cable sapcing	3 Inch

Cold tail

Connection type	Separate, integrated
Conductor	Solid/multi-strand tinned copper (AWG 18-14)
Core insulation	ETFE
Insulation thickness	0.012"
Drain wire	Solid/multi-strand ATC
Shielding	Polyester laminated alu. foil with drain wire/ATC braid
Outer jacket	High temperature PVC
Cold tail length	10 Ft. to 20 Ft.

Product model 120 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WASC/M120-12-040	500,0	40,0	10,0	6,1	28,8	4,2
WASC/M120-12-060	750,0	60,0	15,0	9,1	19,2	6,3
WASC/M120-12-080	1000,0	80,0	20,0	12,2	14,4	8,3
WASC/M120-12-100	1250,0	100,0	25,0	15,2	11,5	10,4
WASC/M120-12-120	1500,0	120,0	30,0	18,3	9,6	12,5
WASC/M120-12-140	1750,0	140,0	35,0	21,3	8,2	14,6
WASC/M120-12-180	2250,0	180,0	45,0	27,4	6,4	18,8

Product model 208 V	Watts	Cable	Mat area at 3" spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WASC/M208-12-080	1000,0	80,0	20,0	12,2	43,3	4,8
WASC/M208-12-096	1200,0	96,0	24,0	14,6	36,1	5,8
WASC/M208-12-100	1250,0	100,0	25,0	15,2	34,6	6,0
WASC/M208-12-120	1500,0	120,0	30,0	18,3	28,8	7,2
WASC/M208-12-140	1750,0	140,0	35,0	21,3	24,7	8,4
WASC/M208-12-160	2000,0	160,0	40,0	24,4	21,6	9,6
WASC/M208-12-180	2250,0	180,0	45,0	27,4	19,2	10,8
WASC/M208-12-192	2400,0	192,0	48,0	29,3	18,0	11,5
WASC/M208-12-200	2500,0	200,0	50,0	30,5	17,3	12,0
WASC/M208-12-240	3000,0	240,0	60,0	36,6	14,4	14,4
WASC/M208-12-360	4500,0	360,0	90,0	54,9	9,6	21,6

Heating/supply cable

Wire - UL10086
Cable - UL 2464
File No: E530065

Standard

UL-515, IEEE 515.1
CSA C22.2 NO:130
CCN: KOBQ,KOBQ/7

Suitable for Outdoor Heating

c UL us LISTED

Product model 240 V	Watts	Cable	Mat area at 3” spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WASC/M240-12-080	1000,0	80,0	20,0	12,2	57,6	4,2
WASC/M240-12-100	1250,0	100,0	25,0	15,2	46,1	5,2
WASC/M240-12-120	1500,0	120,0	30,0	18,3	38,4	6,3
WASC/M240-12-140	1750,0	140,0	35,0	21,3	32,9	7,3
WASC/M240-12-160	2000,0	160,0	40,0	24,4	28,8	8,3
WASC/M240-12-180	2250,0	180,0	45,0	27,4	25,6	9,4
WASC/M240-12-200	2500,0	200,0	50,0	30,5	23,0	10,4
WASC/M240-12-240	3000,0	240,0	60,0	36,6	19,2	12,5
WASC/M240-12-280	3500,0	280,0	70,0	42,7	16,5	14,6
WASC/M240-12-320	4000,0	320,0	80,0	48,8	14,4	16,7
WASC/M240-12-360	4500,0	360,0	90,0	54,9	12,8	18,8
WASC/M240-12-401	5009,0	400,7	100,2	61,1	11,5	20,9

Product model 277 V	Watts	Cable	Mat area at 3” spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WASC/M277-12-080	1000,0	80,0	20,0	12,2	76,7	3,6
WASC/M277-12-096	1200,0	96,0	24,0	14,6	63,9	4,3
WASC/M277-12-100	1250,0	100,0	25,0	15,2	61,4	4,5
WASC/M277-12-120	1500,0	120,0	30,0	18,3	51,2	5,4
WASC/M277-12-140	1750,0	140,0	35,0	21,3	43,8	6,3
WASC/M277-12-160	2000,0	160,0	40,0	24,4	38,4	7,2
WASC/M277-12-192	2400,0	192,0	48,0	29,3	32,0	8,7
WASC/M277-12-200	2500,0	200,0	50,0	30,5	30,7	9,0
WASC/M277-12-240	3000,0	240,0	60,0	36,6	25,6	10,8
WASC/M277-12-280	3500,0	280,0	70,0	42,7	21,9	12,6
WASC/M277-12-320	4000,0	320,0	80,0	48,8	19,2	14,4
WASC/M277-12-360	4500,0	360,0	90,0	54,9	17,1	16,2
WASC/M277-12-480	6000,0	480,0	120,0	73,2	12,8	21,7

Product model 347 V	Watts	Cable	Mat area at 3” spacing		Resistance	Current
		Length (ft.)	Mat area(ft²)	Mat length (ft.)	(Ω)	Amp.
WASC/M347-12-100	1000,0	80,0	20,0	12,2	120,4	2,9
WASC/M347-12-100	1250,0	100,0	25,0	15,2	96,3	3,6
WASC/M347-12-120	1500,0	120,0	30,0	18,3	80,3	4,3
WASC/M347-12-140	1750,0	140,0	35,0	21,3	68,8	5,0
WASC/M347-12-160	2000,0	160,0	40,0	24,4	60,2	5,8
WASC/M347-12-200	2500,0	200,0	50,0	30,5	48,2	7,2
WASC/M347-12-240	3000,0	240,0	60,0	36,6	40,1	8,6
WASC/M347-12-280	3500,0	280,0	70,0	42,7	34,4	10,1
WASC/M347-12-320	4000,0	320,0	80,0	48,8	30,1	11,5
WASC/M347-12-360	4500,0	360,0	90,0	54,9	26,8	13,0
WASC/M347-12-420	5250,0	420,0	105,0	64,0	22,9	15,1
WASC/M347-12-480	6000,0	480,0	120,0	73,2	20,1	17,3

Frost free cable with thermostat 3 W/ft. - water pipes

Heating cable

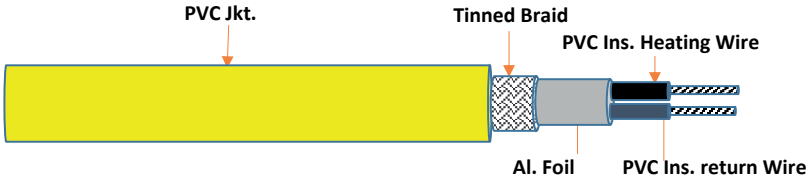
Heating conductor	Multi-strand & single wire helically wrapped on glass fiber yarn
Return conductor	Multi-strand- tin plated copper
Earth conductor	Tin plated copper braiding
Insulation	PVC
Shielding	Polyester laminated al. foil
Outer jacket	High temperature PVC
Jacket color	Yellow
Cable size	0.375 inch X 0.236 inch, flat cable

Supply lead

Size	3 Core, 0.75 Sq.mm with molded euro plug
Insulation	High temp. PVC
Jacket	High temp. PVC
Cable diameter	0.216 mm
Length	6.5 Ft. long

Thermostat (fitted end of heating cable)

Electrical rating	AC125V/6A AC250V/3A
Cut-on temp.	5°C
Cut-off temp.	13°C



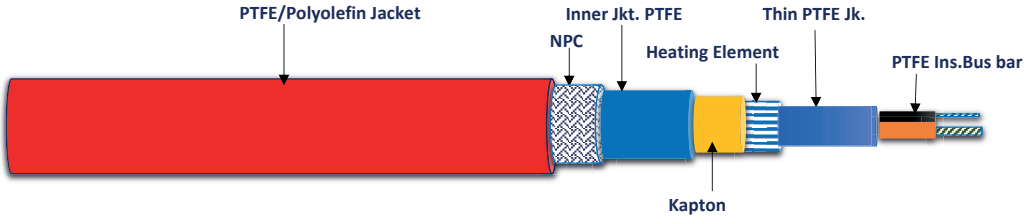
Product	Wattage	Cable	Cable Resistance		Current
Code	`@120V	Length(Ft.)	(Ω)	(Ω/Ft.)	(Amp.)
WFFC-120-3-10	10	3,3	1440,00	438,92	0,08
WFFC-120-3-20	20	6,6	720,00	109,73	0,17
WFFC-120-3-40	40	13,1	360,00	27,43	0,33
WFFC-120-3-60	60	19,7	240,00	12,19	0,50
WFFC-120-3-80	80	26,2	180,00	6,86	0,67
WFFC-120-3-100	100	32,8	144,00	4,39	0,83
WFFC-120-3-140	140	45,9	102,86	2,24	1,17
WFFC-120-3-180	180	59,1	80,00	1,35	1,50
WFFC-120-3-220	220	72,2	65,45	0,91	1,83
WFFC-120-3-260	260	85,3	55,38	0,65	2,17
WFFC-120-3-300	300	98,4	48,00	0,49	2,50
WFFC-120-3-340	340	111,5	42,35	0,38	2,83
WFFC-120-3-400	400	131,2	36,00	0,27	3,33
WFFC-120-3-480	480	157,5	30,00	0,19	4,00

Constant wattage cable 5 W/Ft - 12 W/ft. - roof and gutter

APPLICATION: Constant watt cables are ideal choice for higher temperaure applications where high watt density are required at all time. Constant wattage cable are flexible and can be cut-to in the field. The common use of constant wattage cable is the velocity flow control of heavier materials oil, wax and or any viscous materials. Constant wattage can be used for freez protection. More common use of constant wattage cable are for piping project.

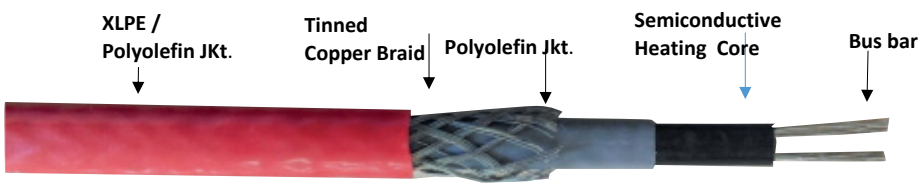
Specification

Bus bar condutor	2X AWG 18 to AWG 15 stranded Nickel plated copper
Bus bar insulation	PTFE
Pair binder	PTFE
Heating element	Nichrome
Isolator	Kapton
Insulation (Inner JKT.)	PTFE (optional)
Shielding	Nickel plated copper braiding
Outer jacket	PTFE / polyolefin
Applied voltage	120/240V



Model	Linear watt	Rated temp.	Approx. surface temp. of cable	Bus bar size	Cable size (In inch)
WCWC-120-16	4.9 W/Ft.	`-40° to 125°C	`100°C	2 X AWG 18	0.138 X 0.197
WCWC-120-25	7.6 W/Ft.	`-40° to 125°C	`125°C	2X AWG 16	0.146 X 0.205
WCWC-120-40	12.2 W/Ft.	`-65° to 260°C	`200°C	2X AWG 15	0.154 X 0.213
WCWC-240-16	4.9 W/Ft.	`-40° to 125°C	`100°C	2 X AWG 18	0.138 X 0.197
WCWC-240-25	7.6 W/Ft.	`-40° to 125°C	`125°C	2X AWG 16	0.146 X 0.205
WCWC-240-40	12.2 W/Ft.	`-65° to 260°C	`200°C	2X AWG 15	0.154 X 0.213

Self Regulating 3W/Ft - 12 W/Ft. roof and gutter



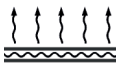
Cable construction

Heating conductor	Semi-conductive polymer
Bus bar conductor	Tinned copper
Inner jacket	Polyolefin
Shielding	Tinned copper braiding
Outer jacket	XLPE / polyolefin
Working voltage	240V

Item code	Max. permissible	Flat cable
Power output at 10°C	Ambient temp.	w x h (In inch)
WSR MC-3.0 W/Ft	65°C	0.31 X 0.20
WSR MC-5.0 W/Ft	85°C	0.45 X 0.24
WSR F-12.0 W/Ft 2CR	85°C	0.50 X 0.27

Snow Melting Rubber mat 120 W / 300 W Walkways & Stairs

Rubber Mat is an ideal heater for stairs,
walkways & interance for snow & ice melting.
We can connect upto 14 Amp. of these mats to meet
customised requirement.
It melt's 2" (5cm) of snow per hour.



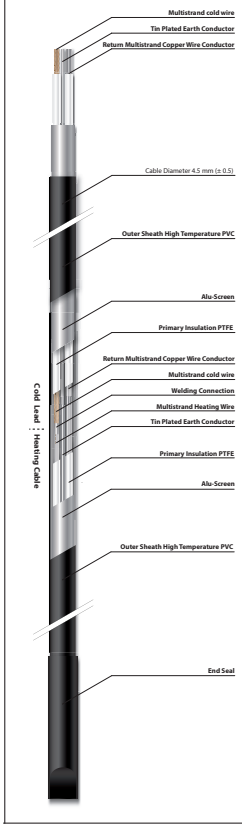
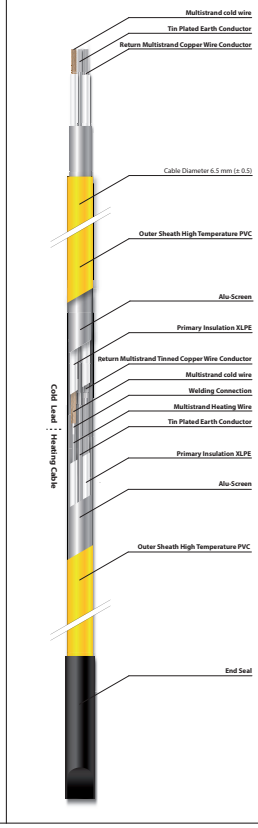
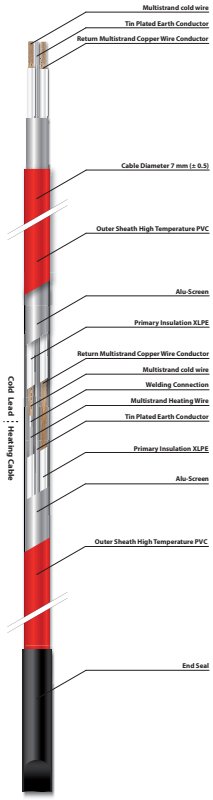
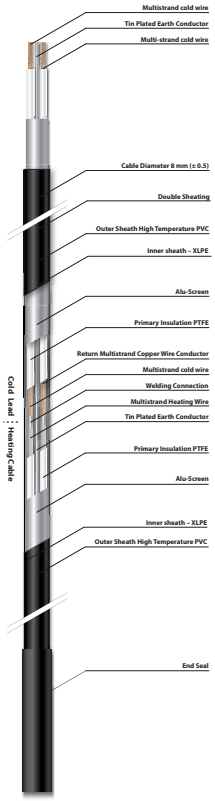
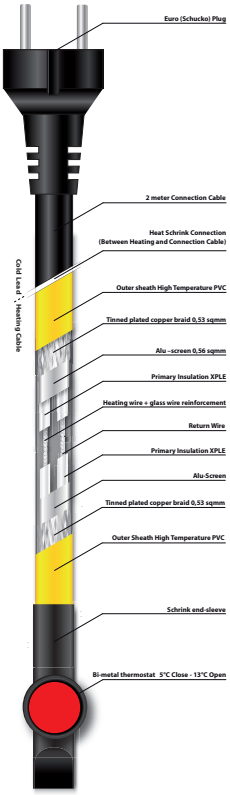
Suitable for
Outdoor
Heating

Product code	WSMRM-01	WSMRM-02
Brand	WIPE HOTWIRE	WIPE HOTWIRE
Heater product type	Rubber mat	Rubber mat
Colour	Black	Black
Construction material (heating)	Synthetic rubber	Synthetic rubber
Fitting type	Floor laid	Floor laid
Fuel type	Electric	Electric
IP rating	IPX7	IPX7
Overload protection	Yes	Yes
Power indicator	Yes	Yes
Power output (Watts)	120 W	300 W
Power voltage supply	120/240 V	120/240 V
Product height	0.35 inch	0.35 inch
Product length	10 x 38 inch	24 x 40 inch

WIPE hotwire
The trusted manufacturing partner

Notes

Indoor and Outdoor Heating Cables

Undertile Heating Cable (Uncoupling Membrane Friendly)	In-Slab Heating Cable	Snow Melting Cable	In Asphalt / Snow Melting Cable	Frost Free Cable
				

Indoor Floor Radiant Heating

Areas	Type of Construction	Product Type
Basements, Bathroom, Bedrooms, Kitchen, Living Rooms, Sun room	New Construction Under - Tile, Marble, Stone, Concrete, Laminate	Membrane Friendly
		Strip Friendly
		DIY
	Retrofit Under - Tile, Marble, Stone, Concrete, Laminate	2.5 mm Thick
		DIY
	New and Retrofit - Under Hardwood (Nailed and Floating), Carpet	Al Foil
		Dry Floor (magnum way)

Type of Joints	Protection Rating	Splice surface	Cable laying on Floor
1. Normal	IPX7	Surface diameter of splice approx. 2x of cable dia.	Need to dig cavity on the floor to seat splice
2. IVC	IPX68	Uniform surface & diameter being as heating cable	No need of cavity for flat surface
3. Moulded	IPX67	Uniform surface but diameter being double of heating cable	Need to dig cavity on the floor to seat splice

Insulation	Rated Temp.	Compressive strength	Attributions
1. XLPE	90°C	Good	High Temperature Resilience
2. ETFE	150°C	Excellent	Moisture, Chemicals, Fire proof
3. PTFE	260°C	Fair	Moisture, Chemicals, Fire proof
4. FEP	200°C	Fair	Moisture, Chemicals, Fire proof
5. PFA	260°C	Fair	Moisture, Chemicals, Fire proof

Type of Cable	Material & Size
1. Series Cables	Different conductor material is used for different Wattage
2. Constant Wattage	Same material for each linear W/m
3. Self Regulating	Same semi-conductor compound used for each W/m

Outdoor Heating

Areas	Application	Product Type
Parkings, Walkways, Patios, Ramps	Snow melting	In-Concrete Cable
Driveways		In-Asphalt Cable
Steps		Rubber Mats
Roof	De-Icing	Constant Wattage / Self Regulating
Gutter		Constant Wattage / Self Regulating
Pipe Trace		Constant Wattage / Self Regulating / Heating Cable

REG.-Nr. 40043865

FM 559856

Corporate Social Responsibility

Responsibility Towards Education Government School, Neemrana

- Infrastructure support
- School uniform, note book & stationary items
- Class room furniture
- IT support
- Setting of innovation labs

Responsibility Towards Health

- Cataract eye operation camps
- Regular health check-ups
- Medical insurance for all employees

Responsibility Towards Environment

- Tree plantation
- Rain water harvesting
- Promote non-usage of one-time-use plastics

WIPE Hotwire Strengths

Special wire & cable design and conductor making facility for special applications

Fully integrated harness making facility (ability to offer alternate materials for diverse applications)

Flexible manufacturing – Custom Design/Fabrication Machines

Two manufacturing units to ensure uninterrupted supplies

Consistency in achieving & exceeding the targeted 85% in customer satisfaction Index for past 5 years

History of consistent growth in exports for past 15 years

WIPE hotwire
The trusted manufacturing partner

E-3, EPIP, Neemrana,
Alwar – 301705
Rajasthan, India

+91 8003144488
aditya@wipehotwire.com
www.wipehotwire.com