

NVENT ERIFLEX FLEXIBAR ADVANCED, TINNED COPPER

After extensive research, nVent ERIFLEX is proud to establish a new gold standard in terms of insulation for flexible busbar called nVent ERIFLEX Flexibar Advanced. The new product is low smoke, halogen-free and flame retardant all while maintaining the level of flexibility and reliability that our partners have come to expect from nVent ERIFLEX Flexibar.

Compared to standard PVC insulation, nVent ERIFLEX Flexibar Advanced does not generate corrosive gases and produces a relatively low smoke opacity in accordance with ISO 5659-2. The low smoke characteristic improves the visibility conditions for people to be able to easily locate the emergency exit and also allows rescue workers to assess an emergency situation more clearly. nVent ERIFLEX Flexibar Advanced means greater safety for individuals, less damage for your electrical equipment and less environmental impact.

The halogen-free feature enables a reduction in the quantity of toxic smoke. nVent ERIFLEX Flexibar Advanced does not contain any halogens, according to IEC 60754-1, minimizing toxicity and making it the ideal product for use in enclosed spaces such as data centers, rail and other spaces where people are welcome such as hospitals and schools. This also facilitates the use of nVent ERIFLEX Flexibar Advanced in specific applications such as submarines, switchboards and other enclosed environments that require a low emissions solution.

In addition to being halogen-free, nVent ERIFLEX Flexibar Advanced is also compliant with the UL 94-V0 testing standard. The flame retardant portion of the test illustrates the self-extinguish feature. This superior feature of nVent ERIFLEX Flexibar Advanced is also shown by the Limiting Oxygen Index (LOI) at 30%. In case of fire, ERIFLEX Flexibar Advanced generates a limited quantity of smoke that is less damaging to your electrical equipment.



CERTIFICATIONS



FEATURES

Thin layers of tinned electrolytic copper formed into a stack

Full range from 19.5 mm² up to 1200 mm² and 125 A to 2800 A

Insulated by high-resistance, halogen free, flame retardant and low smoke material with less than 20% contact with conductor for high flexibility

Easily bent, folded, and twisted, improving assembly flexibility, shortening connections, and decreasing footprint

Dramatically smaller and more flexible than comparable cable based on ampacity

Better power density than cable with lower skin effect ratio

Connections made by punching and bolting directly through the copper laminates or clamping onto the end of the nVent ERIFLEX Flexibar

No lugs needed, reducing installation time and improving resistance to vibration

Weight savings and material savings compared to wire alternatives

Reduces total installation cost

Traceability codes and designation part numbers printed on insulation

Conforms to NF EN 45545 obtaining an HL3 classification for chapters R22 and R23

100% production dielectric tested

RoHS compliant

Tinned copper allows for copper or aluminum conductor connections

On request, can be manufactured with other colors (typically with Orange sleeve for battery connection)

Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations

SPECIFICATIONS

Insulation Thickness	0.070"
Dielectric Strength	20 kV/mm
Insulation Elongation	500 %
Max Working Voltage, UL/CSA/IEC	1,000 VAC;1,500 VDC
Max Working Voltage, EN 50264-3-1	6,000 VAC/DC
Material	Copper;Thermoplastic Elastomer
Complies With	IEC® 60695-2-11 (Glow Wire Test 960 °C);IEC® 61439.1;IEC® 61439.1 Class II
Halogen Free Rating	UL® 2885;IEC® 60754-1;IEC® 62821-1
Smoke, Toxicity and Acidity Rating	IEC® 60754-2
Low Smoke Rating	IEC® 61034-2;ISO 5659-2;UL® 2885
Finish	Tinned
UV Resistance Rating	UL® 854;UL® 2556
Flammability Rating	UL® 94V-0
Working Temperature	-58 to 239 °F

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 2MTC 3X13	534004	125 A	6.560'	UL® 67, UL® 758	128 A	160 A	187 A	3	0.512"	0.020"	38.490 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV
FADV 2MTC 6X13	534005	250 A	6.560'	UL® 67, UL® 758	188 A	235 A	275 A	6	0.512"	0.020"	76.990 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV
FADV 2MTC 8X6	534000	125 A	6.560'	UL® 67, UL® 758	131 A	164 A	192 A	8	0.236"	0.020"	47.380 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV
FADV 2MTC 10X1 5-5	534009	400 A	6.560'	UL® 67, UL® 758	387 A	483 A	565 A	10	0.610"	0.031"	244.780 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV

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FADV 2MTC 2X15- 5	5340 06	125 A	6.560'	UL® 67, UL® 758	152 A	190 A	222 A	2	0.610 "	0.031 "	48.96 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 3X9	5340 01	125 A	6.560'	UL® 67, UL® 758	126 A	158 A	185 A	3	0.354 "	0.031 "	42.64 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X15- 5	5340 07	250 A	6.560'	UL® 67, UL® 758	223 A	279 A	326 A	4	0.610 "	0.031 "	97.91 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X15- 5	5340 08	400 A	6.560'	UL® 67, UL® 758	282 A	353 A	412 A	6	0.610 "	0.031 "	146.8 70 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 2MTC 6X9	534002	125 A	6.560'	UL® 67, UL® 758	192 A	241 A	281 A	6	0.354"	0.031"	85.280 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV
FADV 2MTC 9X9	534003	250 A	6.560'	UL® 67, UL® 758	251 A	314 A	366 A	9	0.354"	0.031"	127.920 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV
FADV 2MTC 10X100	534058	1,600 A	6.560'	UL® 67, UL® 758	1,765 A	2,203 A	2,574 A	10	3.937"	0.039"	1,974 kcmil	1.60	2.02	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFLEX FLEX ADV
FADV 2MTC 10X120	534060	1,600 A	6.560'	UL® 67	2,049 A	2,555 A	2,987 A	10	4.724"	0.039"	2,368.800 kcmil	1.49	1.95	Bureau Veritas, ABS, CE, ERIFLEX FLEX ADV

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FADV 2MTC 10X2 0X1	5340 15	630 A	6.560'	UL® 67, UL® 758	532 A	661 A	777 A	10	0.787 "	0.039 "	394.8 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 10X2 4X1	5340 22	800 A	6.560'	UL® 67, UL® 758	606 A	757 A	885 A	10	0.945 "	0.039 "	473.7 60 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 10X3 2X1	5340 29	1,000 A	6.560'	UL® 67, UL® 758	745 A	931 A	1,088 A	10	1.260 "	0.039 "	631.6 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 10X4 0X1	5340 36	1,000 A	6.560'	UL® 67, UL® 758	879 A	1,097 A	1,282 A	10	1.575 "	0.039 "	789.6 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 10X5 0X1	5340 42	1,250 A	6.560'	UL® 67, UL® 758	1,040 A	1,298 A	1,517 A	10	1.969 "	0.039 "	987 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 10X6 3X1	5340 48	1,600 A	6.560'	UL® 67, UL® 758	1,232 A	1,538 A	1,797 A	10	2.480 "	0.039 "	1,243. 620 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 10X8 0X1	5340 53	1,600 A	6.560'	UL® 67, UL® 758	1,484 A	1,851 A	2,164 A	10	3.150 "	0.039 "	1,579. 200 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 12X1 00	5340 59	1,600 A	6.560'	UL® 67	1,920 A	2,396 A	2,800 A	12	3.937 "	0.039 "	2,368. 800 kcmil	1.60	2.02	cUR, Bureau Veritas, UR, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 2X20 X1	5340 10	250 A	6.560'	UL® 67, UL® 758	211 A	263 A	307 A	2	0.787 "	0.039 "	78.96 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 2X24 X1	5340 16	250 A	6.560'	UL® 67, UL® 758	244 A	305 A	357 A	2	0.945 "	0.039 "	94.75 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 2X32 X1	5340 23	400 A	6.560'	UL® 67, UL® 758	311 A	388 A	454 A	2	1.260 "	0.039 "	126.3 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 2X40 X1	5340 30	400 A	6.560'	UL® 67, UL® 758	376 A	470 A	549 A	2	1.575 "	0.039 "	157.9 20 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 3X20 X1	5340 11	250 A	6.560'	UL® 67, UL® 758	263 A	328 A	383 A	3	0.787 "	0.039 "	118.4 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 3X24 X1	5340 17	400 A	6.560'	UL® 67, UL® 758	304 A	379 A	443 A	3	0.945 "	0.039 "	142.1 30 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 3X32 X1	5340 24	400 A	6.560'	UL® 67, UL® 758	385 A	481 A	562 A	3	1.260 "	0.039 "	189.5 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 3X40 X1	5340 31	500 A	6.560'	UL® 67, UL® 758	464 A	580 A	677 A	3	1.575 "	0.039 "	236.8 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 3X50 X1	5340 37	500 A	6.560'	UL® 67, UL® 758	562 A	702 A	820 A	3	1.969 "	0.039 "	300 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X20 X1	5340 12	400 A	6.560'	UL® 67, UL® 758	308 A	385 A	450 A	4	0.787 "	0.039 "	157.9 20 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X24 X1	5340 18	400 A	6.560'	UL® 67, UL® 758	356 A	445 A	520 A	4	0.945 "	0.039 "	189.5 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X32 X1	5340 25	500 A	6.560'	UL® 67, UL® 758	449 A	561 A	655 A	4	1.260 "	0.039 "	252.6 70 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 4X40 X1	5340 32	500 A	6.560'	UL® 67, UL® 758	541 A	675 A	789 A	4	1.575 "	0.039 "	315.8 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X50 X1	5340 38	630 A	6.560'	UL® 67, UL® 758	651 A	813 A	950 A	4	1.969 "	0.039 "	394.8 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X63 X1	5340 44	800 A	6.560'	UL® 67, UL® 758	792 A	988 A	1,155 A	4	2.480 "	0.039 "	497.4 50 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 4X80 X1	5340 49	1,000 A	6.560'	UL® 67, UL® 758	970 A	1,211 A	1,415 A	4	3.150 "	0.039 "	631.6 80 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 5X10 OX1	5340 55	1,250 A	6.560'	UL® 67, UL® 758	1,301 A	1,624 A	1,898 A	5	3.937 "	0.039 "	987 kcmil	1.60	2.02	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 5X20 X1	5340 13	400 A	6.560'	UL® 67, UL® 758	351 A	438 A	512 A	5	0.787 "	0.039 "	197.4 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 5X24 X1	5340 19	500 A	6.560'	UL® 67, UL® 758	403 A	504 A	589 A	5	0.945 "	0.039 "	236.8 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 5X32 X1	5340 26	630 A	6.560'	UL® 67, UL® 758	507 A	633 A	740 A	5	1.260 "	0.039 "	315.8 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 5X40 X1	5340 33	630 A	6.560'	UL® 67, UL® 758	608 A	759 A	887 A	5	1.575 "	0.039 "	394.8 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 5X50 X1	5340 39	800 A	6.560'	UL® 67, UL® 758	730 A	911 A	1,065 A	5	1.969 "	0.039 "	493.5 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 5X63 X1	5340 45	1,000 A	6.560'	UL® 67, UL® 758	883 A	1,102 A	1,288 A	5	2.480 "	0.039 "	621.8 10 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 5X80 X1	5340 50	1,000 A	6.560'	UL® 67, UL® 758	1,077 A	1,344 A	1,570 A	5	3.150 "	0.039 "	789.6 00 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 6X10 OX1	5340 56	1,250 A	6.560'	UL® 67, UL® 758	1,414 A	1,765 A	2,062 A	6	3.937 "	0.039 "	1,184. 400 kcmil	1.60	2.02	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X20 X1	5340 14	400 A	6.560'	UL® 67, UL® 758	390 A	487 A	569 A	6	0.787 "	0.039 "	236.8 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X24 X1	5340 20	500 A	6.560'	UL® 67, UL® 758	448 A	559 A	653 A	6	0.945 "	0.039 "	284.2 60 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X32 X1	5340 27	630 A	6.560'	UL® 67, UL® 758	561 A	701 A	819 A	6	1.260 "	0.039 "	379.0 10 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 6X40 X1	5340 34	800 A	6.560'	UL® 67, UL® 758	669 A	835 A	976 A	6	1.575 "	0.039 "	473.7 60 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X50 X1	5340 40	1,000 A	6.560'	UL® 67, UL® 758	802 A	1,002 A	1,171 A	6	1.969 "	0.039 "	592.2 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X63 X1	5340 46	1,000 A	6.560'	UL® 67, UL® 758	966 A	1,205 A	1,408 A	6	2.480 "	0.039 "	746.1 70 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 6X80 X1	5340 51	1,250 A	6.560'	UL® 67, UL® 758	1,172 A	1,463 A	1,709 A	6	3.150 "	0.039 "	947.5 20 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 8X10 OX1	5340 57	1,600 A	6.560'	UL® 67, UL® 758	1,598 A	1,994 A	2,330 A	8	3.937 "	0.039 "	1,579. 200 kcmil	1.60	2.02	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 8X24 X1	5340 21	630 A	6.560'	UL® 67, UL® 758	531 A	663 A	775 A	8	0.945 "	0.039 "	379.0 10 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 8X32 X1	5340 28	800 A	6.560'	UL® 67, UL® 758	657 A	821 A	959 A	8	1.260 "	0.039 "	505.3 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 8X40 X1	5340 35	1,000 A	6.560'	UL® 67, UL® 758	786 A	981 A	1,146 A	8	1.575 "	0.039 "	631.6 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

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FADV 2MTC 8X50 X1	5340 41	1,000 A	6.560'	UL® 67, UL® 758	927 A	1,157 A	1,352 A	8	1.969 "	0.039 "	789.6 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 8X63 X1	5340 47	1,250 A	6.560'	UL® 67, UL® 758	1,108 A	1,383 A	1,616 A	8	2.480 "	0.039 "	994.9 00 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 2MTC 8X80 X1	5340 52	1,600 A	6.560'	UL® 67, UL® 758	1,341 A	1,674 A	1,956 A	8	3.150 "	0.039 "	1,263. 360 kcmil	1.65	2.12	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 2X20 X1	5341 10	250 A	9.843'	UL® 67, UL® 758	211 A	263 A	307 A	2	0.787 "	0.039 "	78.96 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 3MTC 2X24 X1	5341 16	250 A	9.843'	UL® 67, UL® 758	244 A	305 A	357 A	2	0.945 "	0.039 "	94.75 0 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 2X32 X1	5341 23	400 A	9.843'	UL® 67, UL® 758	311 A	388 A	454 A	2	1.260 "	0.039 "	126.3 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 3X20 X1	5341 11	250 A	9.843'	UL® 67, UL® 758	263 A	328 A	383 A	3	0.787 "	0.039 "	118.4 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 3X24 X1	5341 17	400 A	9.843'	UL® 67, UL® 758	304 A	379 A	443 A	3	0.945 "	0.039 "	142.1 30 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 3MTC 3X32 X1	5341 24	400 A	9.843'	UL® 67, UL® 758	385 A	481 A	562 A	3	1.260 "	0.039 "	189.5 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 3X40 X1	5341 31	500 A	9.843'	UL® 67, UL® 758	464 A	580 A	677 A	3	1.575 "	0.039 "	236.8 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 3X50 X1	5341 37	500 A	9.843'	UL® 67, UL® 758	562 A	702 A	820 A	3	1.969 "	0.039 "	300 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 4X20 X1	5341 12	400 A	9.843'	UL® 67, UL® 758	308 A	385 A	450 A	4	0.787 "	0.039 "	157.9 20 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 3MTC 4X24 X1	5341 18	400 A	9.843'	UL® 67, UL® 758	356 A	445 A	520 A	4	0.945 "	0.039 "	189.5 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 4X32 X1	5341 25	500 A	9.843'	UL® 67, UL® 758	449 A	561 A	655 A	4	1.260 "	0.039 "	252.6 70 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 4X50 X1	5341 38	630 A	9.843'	UL® 67, UL® 758	651 A	813 A	950 A	4	1.969 "	0.039 "	394.8 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 5X20 X1	5341 13	400 A	9.843'	UL® 67, UL® 758	351 A	438 A	512 A	5	0.787 "	0.039 "	197.4 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 3MTC 5X24 X1	5341 19	500 A	9.843'	UL® 67, UL® 758	403 A	504 A	589 A	5	0.945 "	0.039 "	236.8 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 5X32 X1	5341 26	630 A	9.843'	UL® 67, UL® 758	507 A	633 A	740 A	5	1.260 "	0.039 "	315.8 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 5X50 X1	5341 39	800 A	9.843'	UL® 67, UL® 758	730 A	911 A	1,065 A	5	1.969 "	0.039 "	493.5 00 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 6X20 X1	5341 14	400 A	9.843'	UL® 67, UL® 758	390 A	487 A	569 A	6	0.787 "	0.039 "	236.8 80 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

Catalog Number	Item Name	Typical Application Current Rating	Length (L)	Certification Details	T 30 K	T 45 K	T 60 K	Conducting Layers(N)	A	B	Cross Section	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV 3MTC 6X24 X1	5341 20	500 A	9.843'	UL® 67, UL® 758	448 A	559 A	653 A	6	0.945 "	0.039 "	284.2 60 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 6X32 X1	5341 27	630 A	9.843'	UL® 67, UL® 758	561 A	701 A	819 A	6	1.260 "	0.039 "	379.0 10 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 6X40 X1	5341 34	800 A	9.843'	UL® 67, UL® 758	669 A	835 A	976 A	6	1.575 "	0.039 "	473.7 60 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV
FADV 3MTC 8X32 X1	5341 28	800 A	9.843'	UL® 67, UL® 758	657 A	821 A	959 A	8	1.260 "	0.039 "	505.3 40 kcmil	1.72	2.25	cUR, UR, Bureau Veritas, CSA, ABS, RoHS, CE, ERIFL EX FLEX ADV

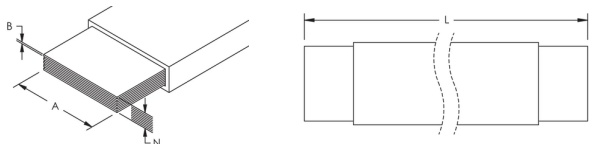
ADDITIONAL PRODUCT DETAILS

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

Refer to technical documentation for additional ampacity ratings.

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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