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.

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

UL® 758 Appliance Wiring Material, Model Style 11992

Finish:	Tinned
Material:	Copper;Thermoplastic Elastomer
Dielectric Strength:	20
Flammability Rating:	UL® 94V-0
Halogen Free Rating:	UL® 2885;IEC® 60754-1;IEC® 62821-1
Low Smoke Rating:	IEC® 61034-2;ISO 5659-2;UL® 2885
Smoke, Toxicity and Acidity Rating:	IEC® 60754-2
UV Resistance Rating:	UL® 854;UL® 2556
Insulation Elongation:	500 %
Insulation Thickness:	1.8 mm
Max Working Voltage, EN 50264-3-1:	6000V
Max Working Voltage, UL/CSA/IEC:	1000V;1500V
Working Temperature:	-50 to 115 °C
Certification Details:	UL® 67;UL® 758 Style 11992
Complies With:	IEC® 60695-2-11 (Glow Wire Test 960 °C);IEC® 61439.1;IEC® 61439.1 Class II

SPECIFICATIONS

Table 1/4

Catalog Number	Article Number	Typical Application Current Rating, IEC	Length (L)	ΔT 30 K	ΔT 40 K	ΔT 50 K
FADV2MTC10X100	534058	1600 A	2000mm	1765A	1775A	1985A
FADV2MTC10X120	534060	1600 A	2000mm	2049A	2070A	2330A
FADV2MTC10X15-5	534009	400 A	2000mm	387A	407A	455A
FADV2MTC10X20X1	534015	630 A	2000mm	532A	576A	645A
FADV2MTC10X24X1	534022	800 A	2000mm	606A	716A	800A
FADV2MTC10X32X1	534029	1000 A	2000mm	745A	930A	1040A
FADV2MTC10X40X1	534036	1000 A	2000mm	879A	1055A	1181A
FADV2MTC10X50X1	534042	1250 A	2000mm	1040A	1245A	1395A
FADV2MTC10X63X1	534048	1600 A	2000mm	1232A	1435A	1600A

Catalog Number	Article Number	Typical Application Current Rating, IEC	Length (L)	ΔT 30 K	ΔT 40 K	ΔT 50 K
FADV2MTC10X80X1	534053	1600 A	2000mm	1484A	1585A	1775A
FADV2MTC12X100	534059	1600 A	2000mm	1920A	1890A	2115A
FADV2MTC2X15-5	534006	125 A	2000mm	152A	191A	212A
FADV2MTC2X20X1	534010	250 A	2000mm	211A	246A	275A
FADV2MTC2X24X1	534016	250 A	2000mm	244A	340A	380A
FADV2MTC2X32X1	534023	400 A	2000mm	311A	363A	406A
FADV2MTC2X40X1	534030	400 A	2000mm	376A	406A	455A
FADV2MTC3X13	534004	125 A	2000mm	128A	150A	167A
FADV2MTC3X20X1	534011	250 A	2000mm	263A	323A	360A
FADV2MTC3X24X1	534017	400 A	2000mm	304A	370A	413A
FADV2MTC3X32X1	534024	400 A	2000mm	385A	430A	480A

Table 2/4

Catalog Number	Article Number	Typical Application Current Rating, IEC	Length (L)	ΔT 30 K	ΔT 40 K	ΔT 50 K
FADV2MTC3X40X1	534031	500 A	2000mm	464A	466A	522A
FADV2MTC3X50X1	534037	500 A	2000mm	562A	530A	592A
FADV2MTC3X9	534001	125 A	2000mm	126A	120A	134A
FADV2MTC4X15-5	534007	250 A	2000mm	223A	286A	320A
FADV2MTC4X20X1	534012	400 A	2000mm	308A	360A	402A
FADV2MTC4X24X1	534018	400 A	2000mm	356A	416A	465A
FADV2MTC4X32X1	534025	500 A	2000mm	449A	490A	548A
FADV2MTC4X40X1	534032	500 A	2000mm	541A	550A	615A
FADV2MTC4X50X1	534038	630 A	2000mm	651A	650A	727A
FADV2MTC4X63X1	534044	800 A	2000mm	792A	763A	855A
FADV2MTC4X80X1	534049	1000 A	2000mm	970A	906A	1015A
FADV2MTC5X100X1	534055	1250 A	2000mm	1301A	1235A	1385A
FADV2MTC5X20X1	534013	400 A	2000mm	351A	376A	420A
FADV2MTC5X24X1	534019	500 A	2000mm	403A	460A	514A
FADV2MTC5X32X1	534026	630 A	2000mm	507A	573A	640A
FADV2MTC5X40X1	534033	630 A	2000mm	608A	680A	760A
FADV2MTC5X50X1	534039	800 A	2000mm	730A	830A	930A
FADV2MTC5X63X1	534045	1000 A	2000mm	883A	920A	1030A
FADV2MTC5X80X1	534050	1000 A	2000mm	1077A	1050A	1175A
FADV2MTC6X100X1	534056	1250 A	2000mm	1414A	1393A	1550A

Table 3/4

Catalog Number	Article Number	Typical Application Current Rating, IEC	Length (L)	ΔT 30 K	ΔT 40 K	ΔT 50 K
FADV2MTC6X13	534005	250 A	2000mm	188A	226A	253A
FADV2MTC6X15-5	534008	400 A	2000mm	282A	360A	402A
FADV2MTC6X20X1	534014	400 A	2000mm	390A	413A	462A
FADV2MTC6X24X1	534020	500 A	2000mm	448A	506A	566A
FADV2MTC6X32X1	534027	630 A	2000mm	561A	640A	715A
FADV2MTC6X40X1	534034	800 A	2000mm	669A	770A	860A
FADV2MTC6X50X1	534040	1000 A	2000mm	802A	925A	1035A
FADV2MTC6X63X1	534046	1000 A	2000mm	966A	1085A	1215A
FADV2MTC6X80X1	534051	1250 A	2000mm	1172A	1230A	1375A
FADV2MTC6X9	534002	125 A	2000mm	192A	220A	245A
FADV2MTC8X100X1	534057	1600 A	2000mm	1598A	1625A	1815A
FADV2MTC8X24X1	534021	630 A	2000mm	531A	606A	678A
FADV2MTC8X32X1	534028	800 A	2000mm	657A	770A	860A
FADV2MTC8X40X1	534035	1000 A	2000mm	786A	930A	1040A
FADV2MTC8X50X1	534041	1000 A	2000mm	927A	1050A	1175A
FADV2MTC8X6	534000	125 A	2000mm	131A	143A	166A
FADV2MTC8X63X1	534047	1250 A	2000mm	1108A	1245A	1395A
FADV2MTC8X80X1	534052	1600 A	2000mm	1341A	1430A	1600A
FADV2MTC9X9	534003	250 A	2000mm	251A	237A	265A
FADV3MTC2X20X1	534110	250 A	3000mm	211A	246A	275A

Table 4/4

Catalog Number	Article Number	Typical Application Current Rating, IEC	Length (L)	ΔT 30 K	ΔT 40 K	ΔT 50 K
FADV3MTC2X24X1	534116	250 A	3000mm	244A	340A	380A
FADV3MTC2X32X1	534123	400 A	3000mm	311A	363A	406A
FADV3MTC3X20X1	534111	250 A	3000mm	263A	323A	360A
FADV3MTC3X24X1	534117	400 A	3000mm	304A	370A	413A
FADV3MTC3X32X1	534124	400 A	3000mm	385A	430A	480A
FADV3MTC3X40X1	534131	500 A	3000mm	464A	466A	522A
FADV3MTC3X50X1	534137	500 A	3000mm	562A	530A	592A
FADV3MTC4X20X1	534112	400 A	3000mm	308A	360A	402A
FADV3MTC4X24X1	534118	400 A	3000mm	356A	416A	465A
FADV3MTC4X32X1	534125	500 A	3000mm	449A	490A	548A
FADV3MTC4X50X1	534138	630 A	3000mm	651A	650A	727A
FADV3MTC5X20X1	534113	400 A	3000mm	351A	376A	420A

Catalog Number	Article Number	Typical Application Current Rating, IEC	Length (L)	ΔT 30 K	ΔT 40 K	ΔT 50 K
FADV3MTC5X24X1	534119	500 A	3000mm	403A	460A	514A
FADV3MTC5X32X1	534126	630 A	3000mm	507A	573A	640A
FADV3MTC5X50X1	534139	800 A	3000mm	730A	830A	930A
FADV3MTC6X20X1	534114	400 A	3000mm	390A	413A	462A
FADV3MTC6X24X1	534120	500 A	3000mm	448A	506A	566A
FADV3MTC6X32X1	534127	630 A	3000mm	561A	640A	715A
FADV3MTC6X40X1	534134	800 A	3000mm	669A	770A	860A
FADV3MTC8X32X1	534128	800 A	3000mm	657A	770A	860A

Table 1/4

Catalog Number	Article Number	ΔT 60 K	Conducting Layers (N)	A	B	Cross Section
FADV2MTC10X100	534058	2170A	10	100 mm	1 mm	1000mm²
FADV2MTC10X120	534060	2550A	10	120 mm	1 mm	1200mm²
FADV2MTC10X15-5	534009	498A	10	15.5 mm	0.8 mm	124mm²
FADV2MTC10X20X1	534015	706A	10	20 mm	1 mm	200mm²
FADV2MTC10X24X1	534022	877A	10	24 mm	1 mm	240mm²
FADV2MTC10X32X1	534029	1140A	10	32 mm	1 mm	320mm²
FADV2MTC10X40X1	534036	1295A	10	40 mm	1 mm	400mm²
FADV2MTC10X50X1	534042	1525A	10	50 mm	1 mm	500mm²
FADV2MTC10X63X1	534048	1755A	10	63 mm	1 mm	630mm²
FADV2MTC10X80X1	534053	1945A	10	80 mm	1 mm	800mm²
FADV2MTC12X100	534059	2315A	12	100 mm	1 mm	1200mm²
FADV2MTC2X15-5	534006	234A	2	15.5 mm	0.8 mm	24.8mm²
FADV2MTC2X20X1	534010	300A	2	20 mm	1 mm	40mm²
FADV2MTC2X24X1	534016	416A	2	24 mm	1 mm	48mm²
FADV2MTC2X32X1	534023	445A	2	32 mm	1 mm	64mm²
FADV2MTC2X40X1	534030	500A	2	40 mm	1 mm	80mm²
FADV2MTC3X13	534004	184A	3	13 mm	0.5 mm	19.5mm²
FADV2MTC3X20X1	534011	395A	3	20 mm	1 mm	60mm²
FADV2MTC3X24X1	534017	453A	3	24 mm	1 mm	72mm²
FADV2MTC3X32X1	534024	525A	3	32 mm	1 mm	96mm²

Table 2/4

Catalog Number	Article Number	ΔT 60 K	Conducting Layers (N)	A	B	Cross Section
FADV2MTC3X40X1	534031	570A	3	40 mm	1 mm	120mm²

Catalog Number	Article Number	ΔT 60 K	Conducting Layers (N)	A	B	Cross Section
FADV2MTC3X50X1	534037	650A	3	50 mm	1 mm	150mm²
FADV2MTC3X9	534001	147A	3	9 mm	0.8 mm	21.6mm²
FADV2MTC4X15-5	534007	350A	4	15.5 mm	0.8 mm	49.6mm²
FADV2MTC4X20X1	534012	440A	4	20 mm	1 mm	80mm²
FADV2MTC4X24X1	534018	510A	4	24 mm	1 mm	96mm²
FADV2MTC4X32X1	534025	600A	4	32 mm	1 mm	128mm²
FADV2MTC4X40X1	534032	673A	4	40 mm	1 mm	160mm²
FADV2MTC4X50X1	534038	795A	4	50 mm	1 mm	200mm²
FADV2MTC4X63X1	534044	935A	4	63 mm	1 mm	252mm²
FADV2MTC4X80X1	534049	1110A	4	80 mm	1 mm	320mm²
FADV2MTC5X100X1	534055	1515A	5	100 mm	1 mm	500mm²
FADV2MTC5X20X1	534013	460A	5	20 mm	1 mm	100mm²
FADV2MTC5X24X1	534019	563A	5	24 mm	1 mm	120mm²
FADV2MTC5X32X1	534026	702A	5	32 mm	1 mm	160mm²
FADV2MTC5X40X1	534033	832A	5	40 mm	1 mm	200mm²
FADV2MTC5X50X1	534039	1016A	5	50 mm	1 mm	250mm²
FADV2MTC5X63X1	534045	1125A	5	63 mm	1 mm	315mm²
FADV2MTC5X80X1	534050	1285A	5	80 mm	1 mm	400mm²
FADV2MTC6X100X1	534056	1705A	6	100 mm	1 mm	600mm²

Table 3/4

Catalog Number	Article Number	ΔT 60 K	Conducting Layers (N)	A	B	Cross Section
FADV2MTC6X13	534005	277A	6	13 mm	0.5 mm	39mm²
FADV2MTC6X15-5	534008	440A	6	15.5 mm	0.8 mm	74.4mm²
FADV2MTC6X20X1	534014	506A	6	20 mm	1 mm	120mm²
FADV2MTC6X24X1	534020	620A	6	24 mm	1 mm	144mm²
FADV2MTC6X32X1	534027	783A	6	32 mm	1 mm	192mm²
FADV2MTC6X40X1	534034	943A	6	40 mm	1 mm	240mm²
FADV2MTC6X50X1	534040	1135A	6	50 mm	1 mm	300mm²
FADV2MTC6X63X1	534046	1330A	6	63 mm	1 mm	378mm²
FADV2MTC6X80X1	534051	1505A	6	80 mm	1 mm	480mm²
FADV2MTC6X9	534002	269A	6	9 mm	0.8 mm	43.2mm²
FADV2MTC8X100X1	534057	1990A	8	100 mm	1 mm	800mm²
FADV2MTC8X24X1	534021	743A	8	24 mm	1 mm	192mm²
FADV2MTC8X32X1	534028	943A	8	32 mm	1 mm	256mm²

Catalog Number	Article Number	ΔT 60 K	Conducting Layers (N)	A	B	Cross Section
FADV2MTC8X40X1	534035	1140A	8	40 mm	1 mm	320mm²
FADV2MTC8X50X1	534041	1290A	8	50 mm	1 mm	400mm²
FADV2MTC8X6	534000	182A	8	6 mm	0.5 mm	24mm²
FADV2MTC8X63X1	534047	1525A	8	63 mm	1 mm	504mm²
FADV2MTC8X80X1	534052	1755A	8	80 mm	1 mm	640mm²
FADV2MTC9X9	534003	291A	9	9 mm	0.8 mm	64.8mm²
FADV3MTC2X20X1	534110	300A	2	20 mm	1 mm	40mm²

Table 4/4

Catalog Number	Article Number	ΔT 60 K	Conducting Layers (N)	A	B	Cross Section
FADV3MTC2X24X1	534116	416A	2	24 mm	1 mm	48mm²
FADV3MTC2X32X1	534123	445A	2	32 mm	1 mm	64mm²
FADV3MTC3X20X1	534111	395A	3	20 mm	1 mm	60mm²
FADV3MTC3X24X1	534117	453A	3	24 mm	1 mm	72mm²
FADV3MTC3X32X1	534124	525A	3	32 mm	1 mm	96mm²
FADV3MTC3X40X1	534131	570A	3	40 mm	1 mm	120mm²
FADV3MTC3X50X1	534137	650A	3	50 mm	1 mm	150mm²
FADV3MTC4X20X1	534112	440A	4	20 mm	1 mm	80mm²
FADV3MTC4X24X1	534118	510A	4	24 mm	1 mm	96mm²
FADV3MTC4X32X1	534125	600A	4	32 mm	1 mm	128mm²
FADV3MTC4X50X1	534138	795A	4	50 mm	1 mm	200mm²
FADV3MTC5X20X1	534113	460A	5	20 mm	1 mm	100mm²
FADV3MTC5X24X1	534119	563A	5	24 mm	1 mm	120mm²
FADV3MTC5X32X1	534126	702A	5	32 mm	1 mm	160mm²
FADV3MTC5X50X1	534139	1016A	5	50 mm	1 mm	250mm²
FADV3MTC6X20X1	534114	506A	6	20 mm	1 mm	120mm²
FADV3MTC6X24X1	534120	620A	6	24 mm	1 mm	144mm²
FADV3MTC6X32X1	534127	783A	6	32 mm	1 mm	192mm²
FADV3MTC6X40X1	534134	943A	6	40 mm	1 mm	240mm²
FADV3MTC8X32X1	534128	943A	8	32 mm	1 mm	256mm²

Table 1/4

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV2MTC10X100	534058	1.6	2.02	RoHS, CSA, UR, cUR, ABS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV2MTC10X120	534060	1.49	1.95	CE, ERIFLEX FLEXADV, ABS, Bureau Veritas, 02859/H0 BV
FADV2MTC10X15-5	534009	1.72	2.25	UR, CSA, RoHS, Bureau Veritas, 02859/H0 BV, ABS, CE, ERIFLEX FLEXADV, cUR
FADV2MTC10X20X1	534015	1.72	2.25	cUR, Bureau Veritas, 02859/H0 BV, UR, ABS, CE, ERIFLEX FLEXADV, CSA, RoHS
FADV2MTC10X24X1	534022	1.72	2.25	CSA, UR, RoHS, CE, ERIFLEX FLEXADV, cUR, Bureau Veritas, 02859/H0 BV, ABS
FADV2MTC10X32X1	534029	1.72	2.25	ABS, CE, ERIFLEX FLEXADV, UR, cUR, Bureau Veritas, 02859/H0 BV, CSA, RoHS
FADV2MTC10X40X1	534036	1.72	2.25	CSA, UR, RoHS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, ABS
FADV2MTC10X50X1	534042	1.72	2.25	UR, Bureau Veritas, 02859/H0 BV, ABS, cUR, CE, ERIFLEX FLEXADV, RoHS, CSA
FADV2MTC10X63X1	534048	1.65	2.12	UR, CSA, RoHS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, ABS, cUR
FADV2MTC10X80X1	534053	1.65	2.12	cUR, ABS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, UR, CSA, RoHS
FADV2MTC12X100	534059	1.6	2.02	UR, RoHS, CSA, cUR, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, ABS
FADV2MTC2X15-5	534006	1.72	2.25	UR, ABS, CE, ERIFLEX FLEXADV, cUR, Bureau Veritas, 02859/H0 BV, CSA, RoHS
FADV2MTC2X20X1	534010	1.72	2.25	CSA, RoHS, UR, CE, ERIFLEX FLEXADV, cUR, ABS, Bureau Veritas, 02859/H0 BV
FADV2MTC2X24X1	534016	1.72	2.25	cUR, Bureau Veritas, 02859/H0 BV, ABS, CE, ERIFLEX FLEXADV, UR, CSA, RoHS
FADV2MTC2X32X1	534023	1.72	2.25	UR, CSA, RoHS, cUR, Bureau Veritas, 02859/H0 BV, ABS, CE, ERIFLEX FLEXADV
FADV2MTC2X40X1	534030	1.72	2.25	CE, ERIFLEX FLEXADV, cUR, ABS, Bureau Veritas, 02859/H0 BV, UR, CSA, RoHS
FADV2MTC3X13	534004	1.72	2.25	CSA, RoHS, UR, CE, ERIFLEX FLEXADV, cUR, ABS, Bureau Veritas, 02859/H0 BV
FADV2MTC3X20X1	534011	1.72	2.25	cUR, ABS, CE, ERIFLEX FLEXADV, UR, Bureau Veritas, 02859/H0 BV, CSA, RoHS
FADV2MTC3X24X1	534017	1.72	2.25	UR, RoHS, CSA, Bureau Veritas, 02859/H0 BV, ABS, cUR, CE, ERIFLEX FLEXADV
FADV2MTC3X32X1	534024	1.72	2.25	UR, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, ABS, cUR, CSA, RoHS

Table 2/4

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV2MTC3X40X1	534031	1.72	2.25	UR, RoHS, CSA, ABS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR
FADV2MTC3X50X1	534037	1.72	2.25	Bureau Veritas, 02859/H0 BV, cUR, CE, ERIFLEX FLEXADV, ABS, UR, CSA, RoHS
FADV2MTC3X9	534001	1.72	2.25	RoHS, UR, CSA, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, ABS
FADV2MTC4X15-5	534007	1.72	2.25	cUR, ABS, UR, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, RoHS, CSA
FADV2MTC4X20X1	534012	1.72	2.25	CSA, UR, RoHS, CE, ERIFLEX FLEXADV, ABS, cUR, Bureau Veritas, 02859/H0 BV
FADV2MTC4X24X1	534018	1.72	2.25	Bureau Veritas, 02859/H0 BV, cUR, ABS, CE, ERIFLEX FLEXADV, UR, CSA, RoHS
FADV2MTC4X32X1	534025	1.72	2.25	CSA, UR, RoHS, cUR, Bureau Veritas, 02859/H0 BV, ABS, CE, ERIFLEX FLEXADV
FADV2MTC4X40X1	534032	1.72	2.25	cUR, Bureau Veritas, 02859/H0 BV, ABS, UR, CE, ERIFLEX FLEXADV, RoHS, CSA
FADV2MTC4X50X1	534038	1.72	2.25	CSA, UR, RoHS, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, ABS
FADV2MTC4X63X1	534044	1.65	2.12	ABS, CE, ERIFLEX FLEXADV, UR, Bureau Veritas, 02859/H0 BV, cUR, CSA, RoHS
FADV2MTC4X80X1	534049	1.65	2.12	UR, CSA, RoHS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, cUR, ABS
FADV2MTC5X100X1	534055	1.6	2.02	UR, CE, ERIFLEX FLEXADV, cUR, ABS, Bureau Veritas, 02859/H0 BV, CSA, RoHS
FADV2MTC5X20X1	534013	1.72	2.25	RoHS, CSA, UR, cUR, ABS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV
FADV2MTC5X24X1	534019	1.72	2.25	UR, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, ABS, CSA, RoHS
FADV2MTC5X32X1	534026	1.72	2.25	CSA, RoHS, UR, Bureau Veritas, 02859/H0 BV, cUR, ABS, CE, ERIFLEX FLEXADV
FADV2MTC5X40X1	534033	1.72	2.25	ABS, cUR, UR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, RoHS, CSA
FADV2MTC5X50X1	534039	1.72	2.25	UR, RoHS, CSA, ABS, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV
FADV2MTC5X63X1	534045	1.65	2.12	ABS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, UR, CSA, RoHS
FADV2MTC5X80X1	534050	1.65	2.12	CSA, RoHS, UR, Bureau Veritas, 02859/H0 BV, ABS, CE, ERIFLEX FLEXADV, cUR

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV2MTC6X100X1	534056	1.6	2.02	cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, ABS, UR, CSA, RoHS

Table 3/4

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV2MTC6X13	534005	1.72	2.25	UR, RoHS, CSA, Bureau Veritas, 02859/H0 BV, cUR, ABS, CE, ERIFLEX FLEXADV
FADV2MTC6X15-5	534008	1.72	2.25	ABS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, UR, cUR, CSA, RoHS
FADV2MTC6X20X1	534014	1.72	2.25	CSA, RoHS, UR, CE, ERIFLEX FLEXADV, ABS, cUR, Bureau Veritas, 02859/H0 BV
FADV2MTC6X24X1	534020	1.72	2.25	Bureau Veritas, 02859/H0 BV, UR, ABS, CE, ERIFLEX FLEXADV, cUR, RoHS, CSA
FADV2MTC6X32X1	534027	1.72	2.25	CSA, UR, RoHS, ABS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, cUR
FADV2MTC6X40X1	534034	1.72	2.25	UR, ABS, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, RoHS, CSA
FADV2MTC6X50X1	534040	1.72	2.25	CSA, UR, RoHS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, cUR, ABS
FADV2MTC6X63X1	534046	1.65	2.12	Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, ABS, UR, cUR, RoHS, CSA
FADV2MTC6X80X1	534051	1.65	2.12	CSA, RoHS, UR, ABS, cUR, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV
FADV2MTC6X9	534002	1.72	2.25	Bureau Veritas, 02859/H0 BV, ABS, cUR, UR, CE, ERIFLEX FLEXADV, RoHS, CSA
FADV2MTC8X100X1	534057	1.6	2.02	RoHS, CSA, UR, Bureau Veritas, 02859/H0 BV, ABS, cUR, CE, ERIFLEX FLEXADV
FADV2MTC8X24X1	534021	1.72	2.25	cUR, UR, ABS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, CSA, RoHS
FADV2MTC8X32X1	534028	1.72	2.25	CSA, UR, RoHS, ABS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, cUR
FADV2MTC8X40X1	534035	1.72	2.25	cUR, ABS, Bureau Veritas, 02859/H0 BV, UR, CE, ERIFLEX FLEXADV, CSA, RoHS
FADV2MTC8X50X1	534041	1.72	2.25	CSA, UR, RoHS, CE, ERIFLEX FLEXADV, cUR, Bureau Veritas, 02859/H0 BV, ABS
FADV2MTC8X6	534000	1.72	2.25	cUR, Bureau Veritas, 02859/H0 BV, ABS, UR, CE, ERIFLEX FLEXADV, CSA, RoHS
FADV2MTC8X63X1	534047	1.65	2.12	UR, CSA, RoHS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, ABS

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV2MTC8X80X1	534052	1.65	2.12	cUR, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, ABS, UR, CSA, RoHS
FADV2MTC9X9	534003	1.72	2.25	CSA, RoHS, UR, cUR, ABS, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV
FADV3MTC2X20X1	534110	1.72	2.25	cUR, UR, CE, ERIFLEX FLEXADV, ABS, Bureau Veritas, 02859/H0 BV, CSA, RoHS

Table 4/4

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV3MTC2X24X1	534116	1.72	2.25	UR, RoHS, CSA, CE, ERIFLEX FLEXADV, cUR, Bureau Veritas, 02859/H0 BV, ABS
FADV3MTC2X32X1	534123	1.72	2.25	cUR, ABS, CE, ERIFLEX FLEXADV, UR, Bureau Veritas, 02859/H0 BV, RoHS, CSA
FADV3MTC3X20X1	534111	1.72	2.25	CSA, RoHS, UR, ABS, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV
FADV3MTC3X24X1	534117	1.72	2.25	UR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, ABS, RoHS, CSA
FADV3MTC3X32X1	534124	1.72	2.25	UR, CSA, RoHS, ABS, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV
FADV3MTC3X40X1	534131	1.72	2.25	ABS, Bureau Veritas, 02859/H0 BV, UR, CE, ERIFLEX FLEXADV, cUR, CSA, RoHS
FADV3MTC3X50X1	534137	1.72	2.25	CSA, RoHS, UR, CE, ERIFLEX FLEXADV, ABS, Bureau Veritas, 02859/H0 BV, cUR
FADV3MTC4X20X1	534112	1.72	2.25	UR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, ABS, cUR, CSA, RoHS
FADV3MTC4X24X1	534118	1.72	2.25	UR, CSA, RoHS, ABS, Bureau Veritas, 02859/H0 BV, cUR, CE, ERIFLEX FLEXADV
FADV3MTC4X32X1	534125	1.72	2.25	Bureau Veritas, 02859/H0 BV, ABS, UR, cUR, CE, ERIFLEX FLEXADV, CSA, RoHS
FADV3MTC4X50X1	534138	1.72	2.25	RoHS, UR, CSA, CE, ERIFLEX FLEXADV, ABS, cUR, Bureau Veritas, 02859/H0 BV
FADV3MTC5X20X1	534113	1.72	2.25	cUR, ABS, UR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, CSA, RoHS
FADV3MTC5X24X1	534119	1.72	2.25	CSA, RoHS, UR, ABS, CE, ERIFLEX FLEXADV, cUR, Bureau Veritas, 02859/H0 BV
FADV3MTC5X32X1	534126	1.72	2.25	ABS, UR, Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, cUR, RoHS, CSA
FADV3MTC5X50X1	534139	1.72	2.25	UR, CSA, RoHS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, ABS

Catalog Number	Article Number	2 Bar Current Coefficient	3 Bar Current Coefficient	Certifications
FADV3MTC6X20X1	534114	1.72	2.25	CE, ERIFLEX FLEXADV, cUR, Bureau Veritas, 02859/H0 BV, UR, ABS, CSA, RoHS
FADV3MTC6X24X1	534120	1.72	2.25	CSA, RoHS, UR, Bureau Veritas, 02859/H0 BV, ABS, cUR, CE, ERIFLEX FLEXADV
FADV3MTC6X32X1	534127	1.72	2.25	ABS, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, cUR, UR, CSA, RoHS
FADV3MTC6X40X1	534134	1.72	2.25	CSA, RoHS, UR, cUR, CE, ERIFLEX FLEXADV, Bureau Veritas, 02859/H0 BV, ABS
FADV3MTC8X32X1	534128	1.72	2.25	Bureau Veritas, 02859/H0 BV, CE, ERIFLEX FLEXADV, cUR, ABS, UR, RoHS, CSA

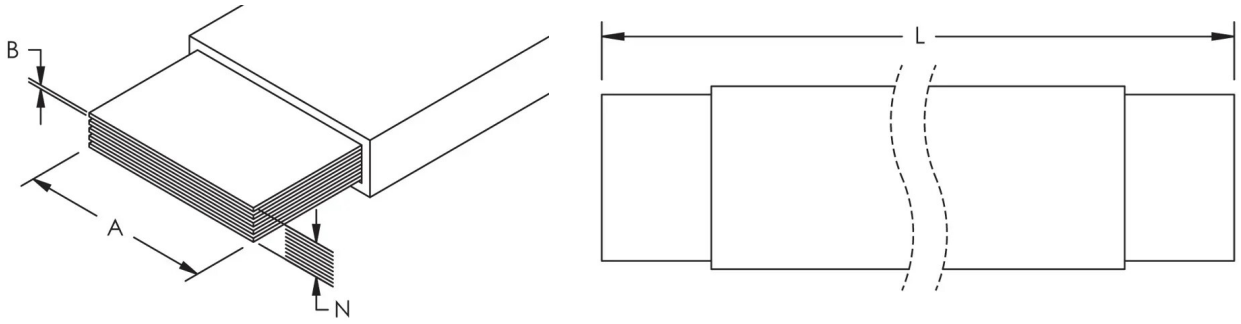
ADDITIONAL PRODUCT DETAILS

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.

North America
+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe
Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe
Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC
Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500

©2026 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

This document is system-generated.