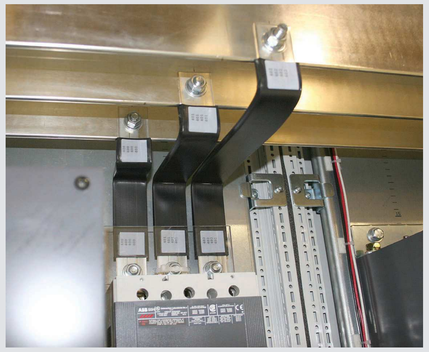
nVent ERIFLEX Flexibar Advanced – from 125 A to 2800 A as per IEC.

nVent ERIFLEX

CONNECT AND PROTECT

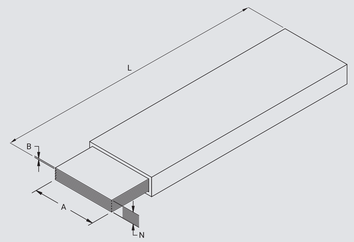


TECHNICAL FEATURES

Finish: Tinned
Material: Copper; LSHFFR Thermoplastic Elastomer
Dielectric Strength: 20 kV/mm

Low Smoke Rating: IEC® 61034-2; ISO 5659-2; UL® 2885
Halogen Free Rating: UL® 2885; IEC® 60754-1; IEC® 62821-1
Flammability Rating: UL® 94V-0; IEC® 60695-2-11 (Glow Wire Test 960 °C)
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: 6,000 VAC/DC
Max Working Voltage, UL/CSA/IEC: 1,000 VAC; 1,500 VDC
Working Temperature: –50°C to 115°C

Complies With: IEC® 61439.1;
IEC® 61439.1 Class II ABS, Bureau Veritas, CE, CSA, cURus, EAC, RoHS, UL
NF EN 45545 obtaining an HL3 classification for chapters R22 and R23
Certification Details: UL® 67; UL® 758



ACCESSORIES

Part Number	Article Number	Thread Size	Thread Length	Torque
CONT-KIT-M6X16	558310	M6	16 mm	13 N-m
CONT-KIT-M8X30	558340	M8	30 mm	30 N-m
CONT-KIT-M10X30	558370	M10	30 mm	60 N-m
CONT-KIT-M10X50	558410	M10	50 mm	60 N-m
CONT-KIT-M12X30	558440	M12	30 mm	110 N-m
CONT-KIT-M12X40	558460	M12	40 mm	110 N-m
CONT-KIT-M12X50	558480	M12	50 mm	110 N-m
CONTKITM12X60ZB	567880	M12	60 mm	110 N-m
CONT-KIT-M12X80	558490	M12	80 mm	110 N-m

Part Number	Article Number	Conductor Width
ENDCOV20	541774	20 mm
ENDCOV24	541775	24 mm
ENDCOV32	541776	32 mm

Part Number	Article Number	Conductor Thickness	Conductor Width
UFS-KIT	553590	2 – 8 mm	15.5 – 120.0 mm

* Kit includes one rail and 24 retaining blocks

Part Number	Article Number	Conductor Width
RFS40-63	553370	40 – 63 (mm)
RFS80-100	553380	80 – 100 (mm)

Part Number	Article Number	Conductor Width
FS40-63	553570	40 – 63 mm
FS80-100	553580	80 – 100 mm

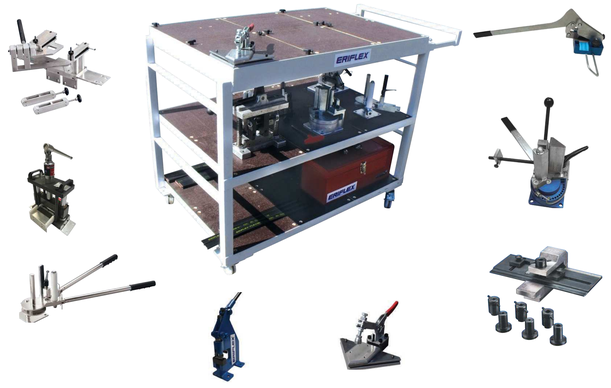
Part Number	Article Number	Conductor Width
FS24	553550	24 mm Max
FS32	553560	32 mm Max

RANGE OF TOOLS AND ACCESSORIES TO CUT, BEND, STRIP & PUNCH

Hydraulic Tools and Accessories

Part Number	Article Number	Description
HYDR-WC-230V	545650	Hydraulic Busbar & Flexibar Work Center - 230V (Flexibar Shearing Tool not included)

Manual Tools and Accessories



Part Number	Article Number	Description
MFWC	558940	Manual Work Center (Tools and Accessries not included)

For complete overview of our Hydraulic Tools Accessories or our Manual Tools Accessories, please visit our web, applications or catalogues. nvent.com/ERIFLEX

Typical Application Current Rating	Part Number	Length	Article Number	ΔT 40 K(A)	ΔT 50 K(A)	ΔT 60 K(A)	N	A (mm)	B (mm)	Cross Section (mm²)	2 Bar Current Coefficient	3 Bar Current Coefficient
125 A	FADV2MTC3X9	2m	534001	120	**134**	147	3	9	0.8	21.6	1.72	2.25
	FADV2MTC8X6	2m	534000	143	**166**	182	8	6	0.5	24		
	FADV2MTC3X13	2m	534004	150	**167**	184	3	13	0.5	19.5		
	FADV2MTC2X15-5	2m	534006	191	**212**	234	2	15.5	0.8	24.8		
	FADV2MTC6X9	2m	534002	220	**245**	269	6	9	0.8	43.2		
250 A	FADV2MTC6X13	2m	534005	226	**253**	277	6	13	0.5	39	1.72	2.25
	FADV2MTC9X9	2m	534003	237	**265**	291	9	9	0.8	64.8		
	FADV2MTC2X20X1	2m	534010	246	**275**	300	2	20	1	40		
	FADV3MTC2X20X1	**3m**	**534110**									
	FADV2MTC4X15-5	2m	534007	286	**320**	350	4	15.5	0.8	49.6		
	FADV2MTC3X20X1	2m	534011	323	**360**	395	3	20	1	60		
	FADV3MTC3X20X1	**3m**	**534111**									
	FADV2MTC2X24X1	2m	534016	340	**380**	416	2	24		48		
	FADV3MTC2X24X1	**3m**	**534116**									
400 A	FADV2MTC4X20X1	2m	534012	360	**402**	440	4	20	1	80	1.72	2.25
	FADV3MTC4X20X1	**3m**	**534112**									
	FADV2MTC6X15-5	2m	534008				6	15.5	0.8	74.4		
	FADV2MTC2X32X1	2m	534023	363	**406**	445	2	32	1	64		
	FADV3MTC2X32X1	**3m**	**534123**									
	FADV2MTC3X24X1	2m	534017	370	**413**	453	3	24		72		
	FADV3MTC3X24X1	**3m**	**534117**									
	FADV2MTC5X20X1	2m	534013	376	**420**	460	5	20		100		
	FADV3MTC5X20X1	**3m**	**534113**									
	FADV2MTC2X40X1	2m	534030	406	**455**	500	2	40		80		
	FADV2MTC10X15-5	2m	534009	407	**455**	498	10	15.5	0.8	124		
	FADV2MTC6X20X1	2m	534014	413	**462**	506	6	20	1	120		
	FADV3MTC6X20X1	**3m**	**534114**									
	FADV2MTC4X24X1	2m	534018	416	**465**	510	4	24		96		
	FADV3MTC4X24X1	**3m**	**534118**									
	FADV2MTC3X32X1	2m	534024	430	**480**	525	3	32				
	FADV3MTC3X32X1	**3m**	**534124**									
500 A	FADV2MTC5X24X1	2m	534019	460	**514**	563	5	24	1	120	1.72	2.25
	FADV3MTC5X24X1	**3m**	**534119**									
	FADV2MTC3X40X1	2m	534031	466	**522**	570	3	40				
	FADV3MTC3X40X1	**3m**	**534131**									
	FADV2MTC4X32X1	2m	534025	490	**548**	600	4	32		128		
	FADV3MTC4X32X1	**3m**	**534125**									
	FADV2MTC6X24X1	2m	534020	506	**566**	620	6	24		144		
	FADV3MTC6X24X1	**3m**	**534120**									
	FADV2MTC3X50X1	2m	534037	530	**592**	650	3	50		150		
	FADV3MTC3X50X1	**3m**	**534137**									
	FADV2MTC4X40X1	2m	534032	550	**615**	673	4	40		160		
630 A	FADV2MTC5X32X1	2m	534026	573	**640**	702	5	32	1	160	1.72	2.25
	FADV3MTC5X32X1	**3m**	**534126**									
	FADV2MTC10X20X1	2m	534015	576	**645**	706	10	20		200		
	FADV2MTC8X24X1	2m	534021	606	**678**	743	8	24		192		
	FADV2MTC6X32X1	2m	534027	640	**715**	783	6	32				
	FADV3MTC6X32X1	**3m**	**534127**									
	FADV2MTC4X50X1	2m	534038	650	**727**	795	4	50		200		
	FADV3MTC4X50X1	**3m**	**534138**									
	FADV2MTC5X40X1	2m	534033	680	**760**	832	5	40				
800 A	FADV2MTC10X24X1	2m	534022	716	**800**	877	10	24	1	240	1.72	2.25
	FADV2MTC4X63X1	2m	534044	763	**855**	935	4	63		252	1.65	2.12
	FADV2MTC6X40X1	2m	534034	770	**860**	943	6	40		240	1.72	2.25
	FADV3MTC6X40X1	**3m**	**534134**									
	FADV2MTC8X32X1	2m	534028	770	**860**	943	8	32		256		
	FADV3MTC8X32X1	**3m**	**534128**									
	FADV2MTC5X50X1	2m	534039	830	**930**	1,016	5	50		250		
	FADV3MTC5X50X1	**3m**	**534139**									
1000 A	FADV2MTC4X80X1	2m	534049	906	**1,015**	1,110	4	80	1	320	1.65	2.12
	FADV2MTC5X63X1		534045	920	**1,030**	1,125	5	63		315		
	FADV2MTC6X50X1		534040	925	**1,035**	1,135	6	50		300	1.72	2.25
	FADV2MTC8X40X1		534035	930	**1,040**	1,140	8	40		320		
	FADV2MTC10X32X1		534029									
	FADV2MTC5X80X1		534050	1,050	**1,175**	1,285	5	80		400	1.65	2.12
	FADV2MTC8X50X1		534041			1,290	8	50			1.72	2.25
	FADV2MTC10X40X1		534036	1,055	**1,181**	1,295	10	40				
	FADV2MTC6X63X1		534046	1,085	**1,215**	1,330	6	63		378	1.65	2.12
1250 A	FADV2MTC6X80X1	2m	534051	1,230	**1,375**	1,505	6	80	1	480	1.65	2.12
	FADV2MTC5X100X1		534055	1,235	**1,385**	1,515	5	100		500	1.6	2.02
	FADV2MTC8X63X1		534047	1,245	**1,395**	1,525	8	63		504	1.65	2.12
	FADV2MTC10X50X1		534042				10	50		500	1.72	2.25
	FADV2MTC6X100X1		534056	1,393	**1,550**	1,705	6	100		600	1.6	2.02
1600 A	FADV2MTC8X80X1	2m	534052	1,430	**1,600**	1,755	8	80	1	640	1.65	2.12
	FADV2MTC10X63X1		534048	1,435	**1,600**	1,755	10	63		630		
	FADV2MTC10X80X1		534053	1,585	**1,775**	1,945	10	80		800		
	FADV2MTC8X100X1		534057	1,625	**1,815**	1,990	8	100		800	1.6	2.02
	FADV2MTC10X100		534058	1,775	**1,985**	2,170	10	100		1,000.0		
	FADV2MTC12X100		534059	1,890	**2,115**	2,315	12	100		1,200.0		
	FADV2MTC10X120		534060	2,070	**2,330**	2,550	10	120			1.49	1.95

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