



ERIFLEX® FLEXIBAR HALOGEN FREE

The Best Alternative to Halogen Free Cable

Features

- ERIFLEX FLEXIBAR halogen free can be bent, folded and twisted (same as ERIFLEX FLEXIBAR standard)
- Requires less installation space when compared to halogen free cable (very rigid)
- Reduces the length and number of conductors there by reducing overall weight
- Insulation allows for closer spacing than traditional busbar designs
- Saves time and cost by eliminating the installation of lugs
- Reduces inventory costs
- Improves reliability since connection is made directly to ERIFLEX FLEXIBAR thus eliminating the cable lug connection
- Improves aesthetics, design flexibility, and panel access
- Easy to install

ERIFLEX FLEXIBAR is formed with multiple layers of thin electrolytic copper, available in plain or tinplated

ERIFLEX FLEXIBAR connections are made by punching directly through the laminates. No lugs to purchase, installation is simpler and faster and faulty connection problems are eliminated.

The insulation is a high resistance, self-extinguishing halogen free compound

Traceability code

Designation
Part number

Easily formed, ERIFLEX FLEXIBAR improves assembly flexibility and aesthetics of panels.

105° C
IEC 60439.1
RoHs Compliant



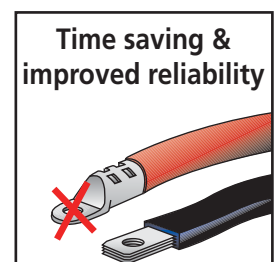
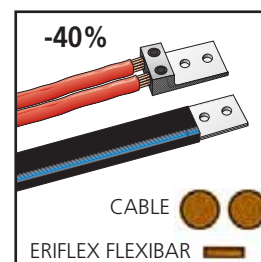
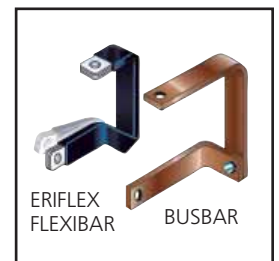
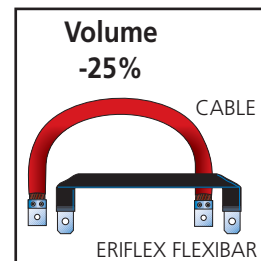
The Highest Flexibility

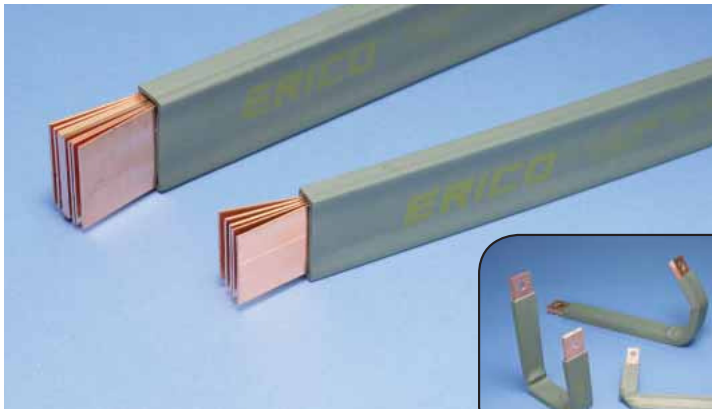
ERICO's exclusive manufacturing process offers the best flexibility:

- copper laminates are free to slide within the insulation
- high insulation quality

Numerous bending and twisting possibilities, even for large sizes.

Consistent insulation thickness over the whole surface.




ERIFLEX FLEXIBAR HF 2m

- Halogen Free
- Environmental Awareness
- High Current Density
- High Flexibility
- High Insulation Value

**ON REQUEST: TINNED ERIFLEX
FLEXIBAR HF**

ERIFLEX FLEXIBAR HF 2 m

- CONDUCTOR IN ELECTROLYTIC COPPER
- INSULATION WITHOUT SILICONE
- Working temperature: -25°C up to 105°C
- Halogen free (according to IEC 60754-1)
- Low smoke
- Self-extinguishing: UL 94 VO: Glow wire test 960°C (according to IEC 60695-2-11)
- Thickness : 2 mm ± 0,2 mm
- Dielectric strength : 20 KV/mm
- Maximum Continuous Voltage : 1000 V AC / 1500 V DC

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.

Article N°	Designation (ERIFLEX FLEXIBAR HALOGEN FREE)	Pack	Weight	Section mm²	DT(K)						Current Coefficient	
					70	60	50	40	30	20	2 bars	3 bars
537400	2m 8X6X0.5	10	0.62	24.0	196	182	166	143	128	105	1.72	2.25
537410	2m 3X9X0.8	10	0.43	21.6	158	147	134	120	104	85	1.72	2.25
537420	2m 6X9X0.8	10	0.81	43.2	290	269	245	220	190	155	1.72	2.25
537430	2m 9X9X0.8	10	1.19	64.8	314	291	265	237	206	168	1.72	2.25
537440	2m 3X13X0.5	10	0.45	19.5	198	184	167	150	130	106	1.72	2.25
537450	2m 6X13X0.5	10	0.79	39.0	300	277	253	226	196	160	1.72	2.25
537460	2m 4X15.5X0.8	10	1.02	49.6	380	350	320	286	248	202	1.72	2.25
537470	2m 6X15.5X0.8	10	1.50	74.4	476	440	402	360	318	254	1.72	2.25
537480	2m 10X15.5X0.8	10	2.50	124.0	538	498	455	407	352	288	1.72	2.25
537490*	2m 2X20X1	5	1.05	40.0	326	300	275	246	214	174	1.72	2.25
537500*	2m 3X20X1	5	1.42	60.0	428	395	360	323	280	228	1.72	2.25
537510*	2m 4X20X1	5	1.78	80.0	476	440	402	360	312	254	1.72	2.25
537520	2m 5X20X1	5	2.15	100.0	498	460	420	376	326	266	1.72	2.25
537550*	2m 2X24X1	5	1.24	48.0	450	416	380	340	295	240	1.72	2.25
537560*	2m 3X24X1	5	1.68	72.0	490	453	413	370	320	261	1.72	2.25
537570	2m 4X24X2	5	2.12	96.0	550	510	465	416	360	294	1.72	2.25
537580	2m 5X24X3	5	2.55	120.0	608	563	514	460	398	325	1.72	2.25
537590	2m 6X24X1	5	2.99	144.0	670	620	566	506	438	358	1.72	2.25
537630*	2m 3X32X1	5	2.20	96.0	570	525	480	430	372	304	1.72	2.25
537640	2m 4X32X1	5	2.78	128.0	648	600	548	490	425	347	1.72	2.25
537650*	2m 5X32X1	5	3.36	160.0	758	702	640	573	496	405	1.72	2.25
537660*	2m 6X32X1	5	3.94	192.0	846	783	715	640	555	452	1.72	2.25
537670	2m 8X32X1	5	5.10	256.0	1018	943	860	770	667	544	1.72	2.25
537720*	2m 5X40X1	5	4.16	200.0	900	832	760	680	590	481	1.72	2.25
537730	2m 6X40X1	5	4.89	240.0	1018	943	860	770	667	544	1.72	2.25
537750*	2m 10X40X1	5	7.78	400.0	1400	1295	1181	1055	915	747	1.72	2.25
537780*	2m 5X50X1	5	5.17	250.0	1100	1016	930	830	718	588	1.72	2.25
537810	2m 10X50X1	2	9.68	500.0	1650	1525	1395	1245	1080	882	1.72	2.25



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