

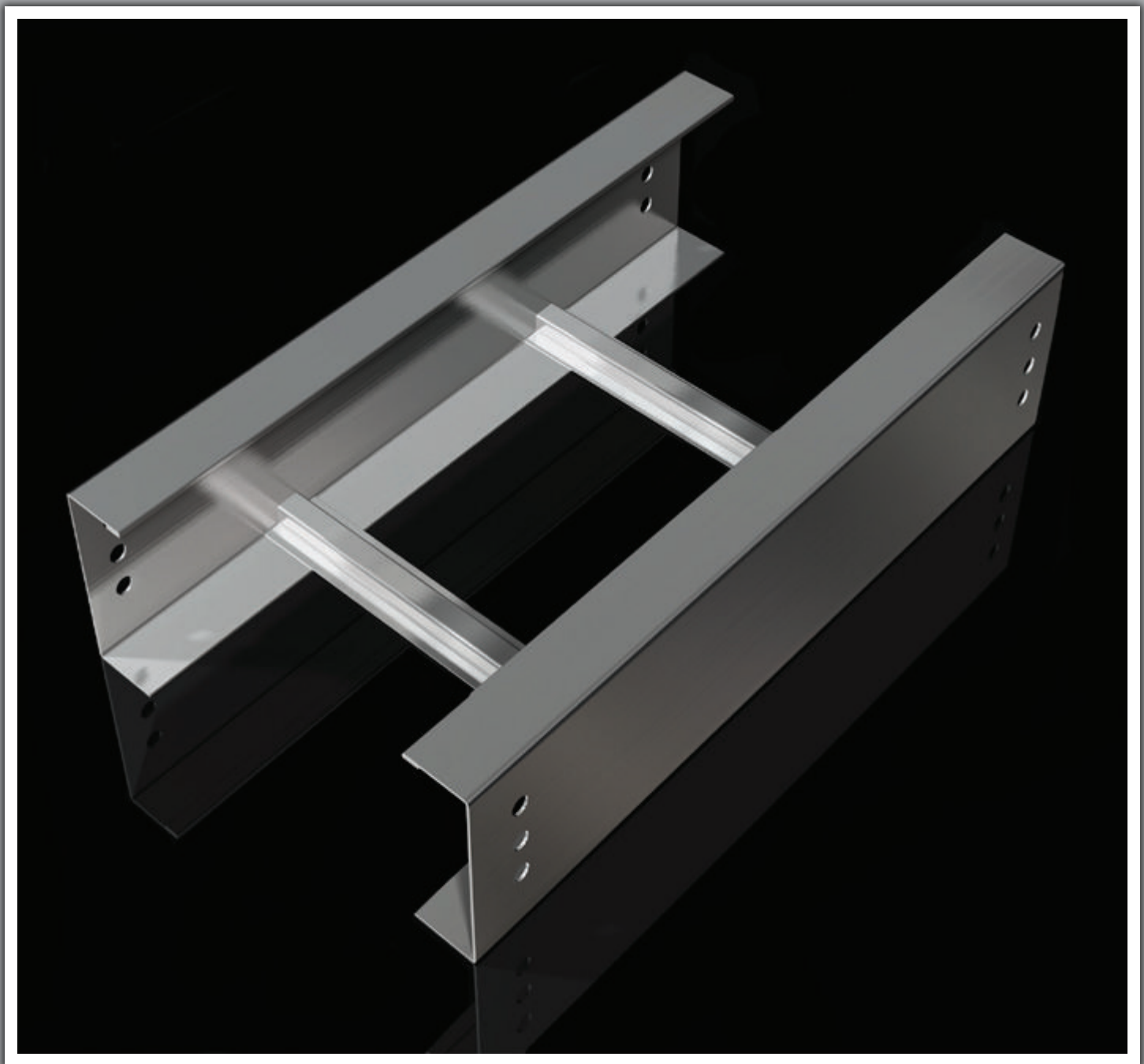


MP HUSKY[™]
CABLE TRAY & CABLE BUS

Husky Ladder Flange-In

In Steel & Aluminum

Selection Tables	Pg. 37
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Loading Tables.....	Pgs. 39-45





Selection Tables (For actual loading capacity see Load Tables in this section)

3-FLANGE IN LADDER

NEMA Class	NEMA Load (lbs.) /Span (ft.)	Tray Height	Load Depth	Top Flange Width	Prefix	Tray Height	Load Depth	Top Flange Width	Prefix HDGAF	Prefix Mill-Galv
8A	50/8	4.50	3.50	.75	A()JA	3.375	2.82	1.25	S()HA	P()HA
		6.00	5.00	1.00	A()MB1	4.00	3.00	1.25	S()J2	P()J2
						6.00	5.00	1.00	S()M61	P()M61
8B	75/8	4.50	3.50	.75	A()JA	3.375	2.82	1.25	S()HA	P()HA
		6.00	5.00	1.00	A()MB1	4.00	3.00	1.25	S()J2	P()J2
						6.00	5.00	1.00	S()M61	P()M61
8C	100/8	4.50	3.50	.75	A()JA	3.375	2.82	1.25	S()HA	P()HA
		6.00	5.00	1.00	A()MB1	4.00	3.00	1.25	S()J2	P()J2
						6.00	5.00	1.00	S()M61	P()M61
12A	50/12	4.50	3.50	.75	A()JA	3.375	2.82	1.25	S()HA	P()HA
		6.00	5.00	1.00	A()MB1	4.00	3.00	1.25	S()J2	P()J2
						6.00	5.00	1.00	S()M61	P()M61
12B	75/12	4.50	3.50	.75	A()JB	4.00	3.00	1.25	S()J2	P()J2
		6.00	5.00	1.00	A()MB1	6.00	5.00	1.00	S()M61	P()M61
12C	100/12	4.50	3.50	1.50	A()YA2	4.50	3.50	1.25	S()JC	P()JC
		6.00	5.00	1.00	A()MB1	6.00	5.00	.75	S()MD4	P()MD4
						7.00	6.00	.75	S()MD7	P()MD7
12C+	100+/12	4.50	3.50	1.50	A()YA2	4.50	3.50	1.75	S()YD	S()YD
		6.00	5.00	1.25	A()MC	6.00	5.00	.75	S()MD4	P()MD4
						7.00	6.00	.75	S()MD74	P()MD74
16A	50/16	4.50	3.50	1.50	A()YA2	4.50	3.50	1.75	S()YD	P()YD
		6.00	5.00	1.75	A()XA	6.25	5.25	1.75	S()XB	P()XB
16B	75/16	4.50	3.50	1.50	A()YA2	4.50	3.50	1.75	S()YD	P()YD
		6.00	5.00	1.75	A()XA	6.25	5.25	1.75	S()XB	P()XB
16C	100/16	6.00	5.00	1.75	A()XA	6.25	5.25	1.75	S()XB	P()XB
						7.00	6.00	1.75	S()XA7	P()XA7
20A	50/20	4.50	3.50	1.50	A()YA2	4.50	3.50	1.75	S()YD	P()YD
		6.00	5.00	1.75	A()XA	6.25	5.25	1.75	S()XB	P()XB
						7.00	6.00	1.75	S()XA7	P()XA7
20B	75/20	6.00	5.00	1.75	A()X	6.25	5.25	1.75	S()XB	P()XB
		7.00	6.00	1.75	A()X7	7.00	6.00	1.75	S()XB7	P()XB7
20C	100/20	6.00	5.00	1.75	A()X1	6.25	5.25	1.75	S()XC	P()XC
		7.00	6.00	1.75	A()X71	7.00	6.00	1.75	S()XC7	P()XC7
		8.00	7.00	1.75	A()L1					
		10.00	9.00	1.75	A()D1					
20C+	100+/20	6.00	5.00	1.75	A()X1M	6.25	5.25	1.75	S()XD	P()XD
		8.00	7.00	1.75	A()L1	7.00	6.00	1.75	S()XB7	P()XB7
		10.00	9.00	1.75	A()D1					
24A	50/24					6.25	5.25	1.75	S()XD	P()XD
						7.00	6.00	1.75	S()XB7	P()XB7
24B	75/24					6.25	5.25	1.75	S()XD	P()XD
						7.00	6.00	1.75	S()XB7	P()XB7
24C	100/24					7.00	6.00	1.75	S()XD7	P()XD7

Since it accommodates the most cable in the least space, Flange-In Husky Ladder is typically used in applications where strength and reliability are important, but space is limited.

Numbering System

A9JA-24-144				
A	9	JA-	24-	144
Material	Rung Spacing	Tray Type	Width in Inches	Length in Inches
Materials: A =Aluminum S =HDGAF Steel P =Mill-Galvanized Steel 4 =Stainless Steel 304 6 =Stainless Steel 316	Rung Spacing: 6" 9" 12"	Tray Types: Aluminum JA, JB, MB1, MC, YA2, XA, X, X1, X7, X71, L1, D1 Steel HA, J2, KC, M61, MD4, YD, XA, XB, XC, XD, MD7, MD74, XA7, XB7, XC7, XD7	Widths: 6" 9" 12" 18" 24" 30" 36"	Lengths: JA, JB, MB1, MC, MD4, HA, J2, KC, M61, MD4, MD7, and MD74 available in 10' (120") & 12' (144") only All others available in 10' (120"), 12' (144"), 20' (240") & 24' (288")

3-FLANGE IN LADDER

Other Technical Data



Depth:

3-3/8, 4, 6, 7, 8, and 10 inches nominal

Fittings:

12, 24, or 36 inch standard radii
 (See the Fittings Section 10 of this catalog for more information).

Splice Plates:

Straight sections and fittings are supplied with splice plates and hardware.
 (See Section 11 for details)

Safety Factor:

1.5 NEMA Standard

Rung Options:

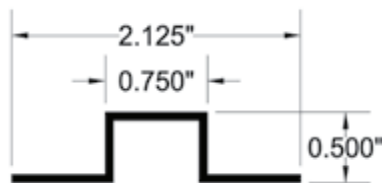
Flange-In tray can be supplied with optional slotted or strut type rungs for ease of securing cables with tie wraps, strut clamps or accessories.

(For other tray sizes or specifications, please consult the factory)

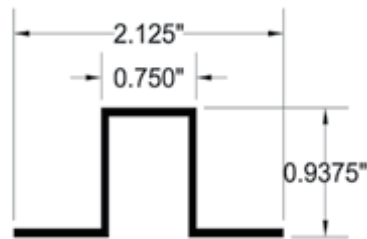


To ensure data available is most current, please visit www.MPHUSKY.com

Rung Dimensions



6"-24" Wide Aluminum Ladder
 6"-24" Wide Steel Ladder
 30"-36" Wide Steel "HA" Style Ladder



30"-36" Wide Steel & Aluminum Ladder
 (Optional Steel Rung)

3-FLANGE IN LADDER
A () JA

Use ALJA fittings

NEMA 12A


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	540	0.15	240	0.34	135	0.61	86	0.96	60	1.38
9	540	0.15	240	0.34	135	0.61	86	0.96	60	1.38
12	405*	0.11	240	0.34	135	0.61	86	0.96	60	1.38
18	270*	0.08	240	0.34	135	0.61	86	0.96	60	1.38
24	202*	0.06	202*	0.29	135	0.61	86	0.96	60	1.38
**30	376*	0.10	240	0.34	135	0.61	86	0.96	60	1.38
**36	313*	0.09	240	0.34	135	0.61	86	0.96	60	1.38

A () JB

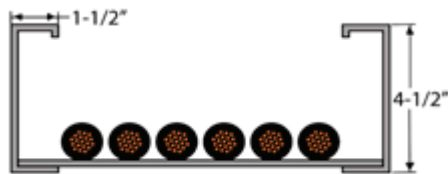
Use ALJB fittings

NEMA 12B+/CSA C


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	735	0.16	327	0.35	184	0.62	118	0.97	82	1.40
9	540*	0.11	327	0.35	184	0.62	118	0.97	82	1.40
12	405*	0.08	327	0.35	184	0.62	118	0.97	82	1.40
18	270*	0.06	270*	0.29	184	0.62	118	0.97	82	1.40
24	202*	0.04	202*	0.22	184	0.62	118	0.97	82	1.40
**30	376*	0.08	327	0.35	184	0.62	118	0.97	82	1.40
**36	313*	0.07	313*	0.34	184	0.62	118	0.97	82	1.40

A () YA2

Use ALYA2 fittings

NEMA 20A, 16B, 12C+


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
9	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
12	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
18	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
24	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
**30	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
**36	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53

A () MB1

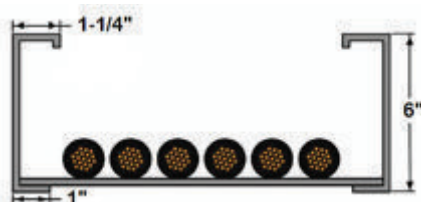
Use ALMB1 fittings

NEMA 12C, 12B+


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.09	436	0.20	245	0.36	157	0.56	109	0.80
9	540*	0.06	436	0.20	245	0.36	157	0.56	109	0.80
12	405*	0.04	405*	0.19	245	0.36	157	0.56	109	0.80
18	270*	0.03	270*	0.12	245	0.36	157	0.56	109	0.80
24	202*	0.02	202*	0.09	202*	0.30	157	0.56	109	0.80
**30	376*	0.04	376*	0.17	245	0.36	157	0.56	109	0.80
**36	313*	0.03	313*	0.14	245	0.36	157	0.56	109	0.80

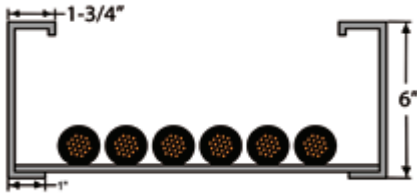
A () MC

Use ALMC fittings

NEMA 12C+


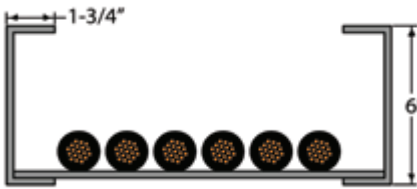
Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.08	508	0.22	286	0.39	183	0.61	127	0.87
9	540*	0.05	508	0.22	286	0.39	183	0.61	127	0.87
12	405*	0.04	405*	0.18	286	0.39	183	0.61	127	0.87
18	270*	0.03	270*	0.12	270*	0.37	183	0.61	127	0.87
24	202*	0.02	202*	0.09	202*	0.28	183	0.61	127	0.87
**30	376*	0.04	376*	0.16	286	0.39	183	0.61	127	0.87
**36	313*	0.03	313*	0.14	286	0.39	183	0.61	127	0.87

A () XA Use ALX fittings
NEMA 20A+, 16C, 12C+



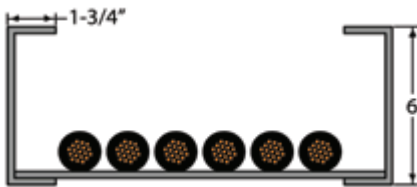
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
9	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
12	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
18	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
24	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
**30	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
**36	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29

A () X Use ALX fittings
NEMA 20B, 16C+



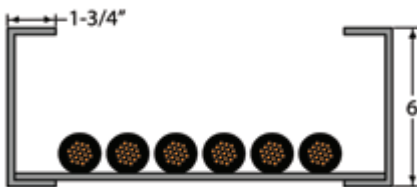
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
9	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
12	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
18	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
24	202*	0.89	153	1.26	117	1.64	93	2.08	75	2.56
**30	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
**36	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56

A () X1 Use ALX1 fittings
NEMA 20C, 16C+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
9	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
12	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
18	270*	1.10	204	1.53	156	2.00	123	2.53	100	3.13
24	202*	0.82	202*	1.51	156	2.00	123	2.53	100	3.13
**30	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
**36	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13

A () X1M Use ALX1 fittings
NEMA 20C+, 16C+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
9	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
12	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
18	270*	1.02	241	1.68	184	2.20	146	2.78	118	3.44
24	202*	0.76	202*	1.41	184	2.20	146	2.78	118	3.44
**30	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
**36	313*	1.18	241	1.68	184	2.20	146	2.78	118	3.44

Example:

Part # A9X1-24-144				
A	9	X1-	24-	144
Material	Rung Spacing in Inches	Tray Type	Width in Inches	Length in Inches

* = Load limit is limited by the load carrying capacity of the transverse member (rung).
**= Indicates the transverse member is a 15/16" high hat-shaped rung.

USE COLOR CODING TO ASSEMBLE PART NUMBER

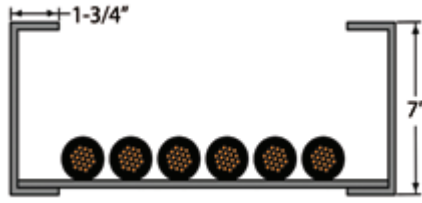


3-FLANGE IN LADDER

A () X7

Use ALX7 fittings

NEMA 20B+, 16C+, 12C+

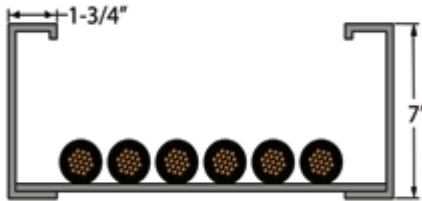


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
9	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
12	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
18	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
24	202*	0.56	182	0.94	139	1.22	110	1.55	89	1.93
**30	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
**36	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93

A () X71

Use ALX7 fittings

NEMA 20C+, 16C+

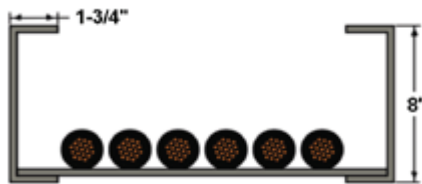


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
9	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
12	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
18	270*	0.68	253	1.17	194	1.52	153	1.93	124	2.38
24	202*	0.51	202*	0.93	194	1.52	153	1.93	124	2.38
**30	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
**36	313*	0.78	253	1.17	194	1.52	153	1.93	124	2.38

A () L1

Use ALL1 fittings

NEMA 20C+, 16C+

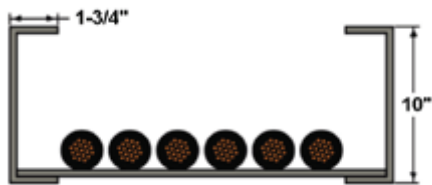


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
9	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
12	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
18	270*	0.55	269	1.02	206	1.33	163	1.68	132	2.07
24	202*	0.41	202*	0.77	202*	1.30	163	1.68	132	2.07
**30	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
**36	313*	0.64	269	1.02	206	1.33	163	1.68	132	2.07

A () D1

Use ALD1 fittings

NEMA 20C+, 16C+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	397	0.46	292	0.62	223	0.81	177	1.03	143	1.27
9	397	0.46	292	0.62	223	0.81	177	1.03	143	1.27
12	397	0.46	292	0.62	223	0.81	177	1.03	143	1.27
18	270*	0.31	270*	0.57	223	0.81	177	1.03	143	1.27
24	202*	0.23	202*	0.43	202*	0.73	177	1.03	143	1.27
**30	376*	0.44	292	0.62	223	0.81	177	1.03	143	1.27
**36	313*	0.36	292	0.62	223	0.81	177	1.03	143	1.27

Hot Dip Galvanized After Fabrication



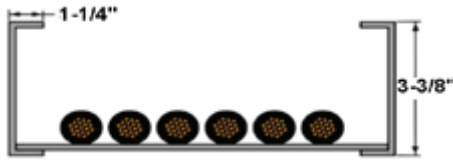
Use SLHA fittings

Mill-Galvanized



Use PLHA fittings

NEMA 12A+



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	585	0.10	260	0.22	146	0.40	94	0.62	65	0.89
9	573*	0.10	260	0.22	146	0.40	94	0.62	65	0.89
12	430*	0.07	260	0.22	146	0.40	94	0.62	65	0.89
18	287*	0.05	260	0.22	146	0.40	94	0.62	65	0.89
24	215*	0.04	215*	0.18	146	0.40	94	0.62	65	0.89
30	172*	0.03	172*	0.15	146	0.40	94	0.62	65	0.89
36	143*	0.02	143*	0.12	143*	0.39	94	0.62	65	0.89

Hot Dip Galvanized After Fabrication



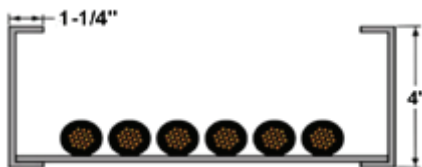
Use SLJ2 fittings

Mill-Galvanized



Use PLJ2 fittings

NEMA 12B+



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	729	0.09	324	0.19	182	0.33	117	0.52	81	0.75
9	573*	0.07	324	0.19	182	0.33	117	0.52	81	0.75
12	430*	0.05	324	0.19	182	0.33	117	0.52	81	0.75
18	287*	0.03	287*	0.17	182	0.33	117	0.52	81	0.75
24	215*	0.03	215*	0.13	182	0.33	117	0.52	81	0.75
**30	503*	0.06	324	0.19	182	0.33	117	0.52	81	0.75
**36	419*	0.05	324	0.19	182	0.33	117	0.52	81	0.75

Hot Dip Galvanized After Fabrication



Use SLKC fittings

Mill-Galvanized



Use PLKC fittings

NEMA 12C+



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.07	488	0.20	275	0.35	176	0.55	122	0.80
9	573*	0.05	488	0.20	275	0.35	176	0.55	122	0.80
12	430*	0.04	430*	0.18	275	0.35	176	0.55	122	0.80
18	287*	0.02	287*	0.12	275	0.35	176	0.55	122	0.80
24	215*	0.02	215*	0.09	215*	0.27	176	0.55	122	0.80
**30	503*	0.05	488	0.20	275	0.35	176	0.55	122	0.80
**36	419*	0.04	419*	0.17	275	0.35	176	0.55	122	0.80

Hot Dip Galvanized After Fabrication



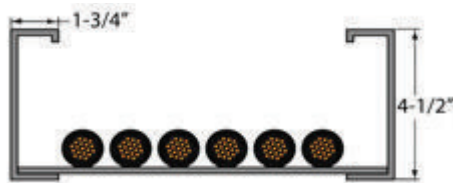
Use SLYD fittings

Mill-Galvanized



Use PLYD fittings

NEMA 20A, 16B+, 12C+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
9	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
12	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
18	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
24	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
**30	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
**36	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15

3-FLANGE IN LADDER

Hot Dip Galvanized After Fabrication

S () M61 Use SLM61 fittings

Mill-Galvanized

P () M61 Use PLM61 fittings

NEMA 12B+

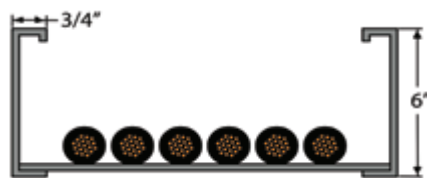

Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	855	0.05	380	0.11	214	0.19	137	0.29	95	0.42
9	573*	0.03	380	0.11	214	0.19	137	0.29	95	0.42
12	430*	0.03	380	0.11	214	0.19	137	0.29	95	0.42
18	287*	0.02	287*	0.08	214	0.19	137	0.29	95	0.42
24	215*	0.01	215*	0.06	214	0.19	137	0.29	95	0.42
**30	503*	0.05	380	0.11	214	0.19	137	0.29	95	0.42
**36	419*	0.04	380	0.11	214	0.19	137	0.29	95	0.42

Hot Dip Galvanized After Fabrication

S () MD4 Use SLMD4 fittings

Mill-Galvanized

P () MD4 Use PLMD4 fittings

NEMA 12C+


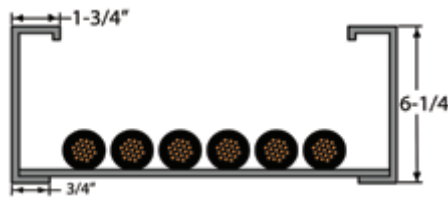
Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.02	520	0.11	293	0.19	187	0.30	130	0.44
9	573*	0.01	520	0.11	293	0.19	187	0.30	130	0.44
12	430*	0.01	430*	0.09	293	0.19	187	0.30	130	0.44
18	287*	0.01	287*	0.06	287*	0.19	187	0.30	130	0.44
24	215*	0.01	215*	0.05	215*	0.14	187	0.30	130	0.44
**30	503*	0.02	503*	0.11	293	0.19	187	0.30	130	0.44
**36	419*	0.02	419*	0.09	293	0.19	187	0.30	130	0.44

Hot Dip Galvanized After Fabrication

S () XB Use SLXB fittings

Mill-Galvanized

P () XB Use PLXB fittings

NEMA 20B, 16C+, 12C+


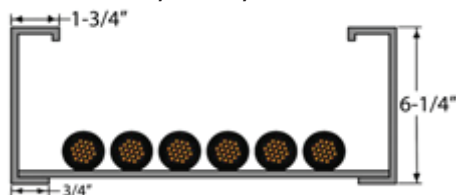
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
9	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
12	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
18	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
24	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
**30	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
**36	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76

Hot Dip Galvanized After Fabrication

S () XC Use SLXC fittings

Mill-Galvanized

P () XC Use PLXC fittings

NEMA 20C+, 16C+, 12C+


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
9	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
12	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
18	287*	0.70	241	1.04	184	1.43	146	1.81	118	2.24
24	215*	0.52	215*	0.93	184	1.43	146	1.81	118	2.24
**30	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
**36	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24

Hot Dip Galvanized After Fabrication

S () XD

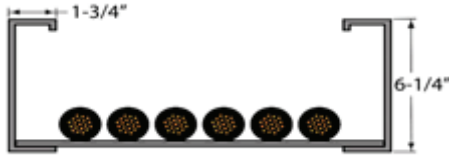
Use SLXD fittings

Mill-Galvanized

P () XD

Use PLXD fittings

NEMA 24B+, 20C+



Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
9	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
12	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
18	287*	0.57	212	1.30	135	2.05	119	2.32	94	2.94
24	215*	0.42	212	1.30	135	2.05	119	2.32	94	2.94
**30	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
**36	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94

3-FLANGE IN LADDER

Hot Dip Galvanized After Fabrication

S () MD7

Use SLMD7 fittings

Mill-Galvanized

P () MD7

Use PLMD7 fittings

NEMA 12C



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.03	400	0.07	225	0.12	144	0.19	100	0.28
9	573*	0.02	400	0.07	225	0.12	144	0.19	100	0.28
12	430*	0.02	400	0.07	225	0.12	144	0.19	100	0.28
18	287*	0.01	287*	0.05	225	0.12	144	0.19	100	0.28
24	215*	0.01	215*	0.04	215*	0.12	144	0.19	100	0.28
**30	503*	0.02	400	0.07	225	0.12	144	0.19	100	0.28
**36	419*	0.01	400	0.07	225	0.12	144	0.19	100	0.28

Hot Dip Galvanized After Fabrication

S () MD74

Use SLMD74 fittings

Mill-Galvanized

P () MD74

Use PLMD74 fittings

NEMA 12C+



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.03	840	0.12	473	0.21	302	0.33	210	0.47
9	573*	0.02	573*	0.08	473	0.21	302	0.33	210	0.47
12	430*	0.02	430*	0.06	430*	0.19	302	0.33	210	0.47
18	287*	0.01	287*	0.04	287*	0.13	287*	0.31	210	0.47
24	215*	0.01	215*	0.03	215*	0.12	215*	0.24	210	0.47
**30	503*	0.02	503*	0.07	473	0.21	302	0.33	210	0.47
**36	419*	0.01	419*	0.06	419*	0.19	302	0.33	210	0.47

Hot Dip Galvanized After Fabrication

S () XA7

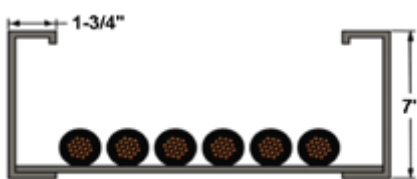
Use SLXA7 fittings

Mill-Galvanized

P () XA7

Use PLXA7 fittings

NEMA 20A+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
9	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
12	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
18	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
24	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
**30	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
**36	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38



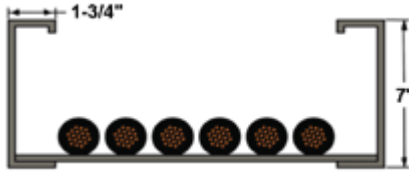
Hot Dip Galvanized After Fabrication

S () XB7 Use SLXB7 fittings

Mill-Galvanized

P () XB7 Use PLXB7 fittings

NEMA 24B+, 20C+



Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
9	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
12	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
18	287*	0.51	214	1.19	137	1.86	103	2.05	86	2.44
24	215*	0.38	214	1.19	137	1.86	103	2.05	86	2.44
**30	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
**36	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44

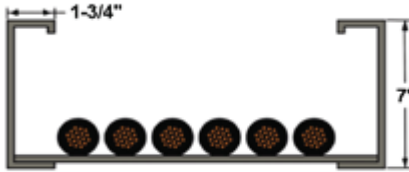
Hot Dip Galvanized After Fabrication

S () XC7 Use SLXC7 fittings

Mill-Galvanized

P () XC7 Use PLXC7 fittings

NEMA 20C, 20B+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
9	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
12	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
18	287*	0.43	214	0.59	164	0.77	130	0.98	105	1.21
24	215*	0.32	214	0.59	164	0.77	130	0.98	105	1.21
**30	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
**36	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21

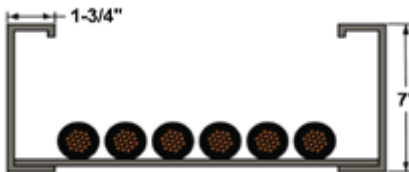
Hot Dip Galvanized After Fabrication

S () XD7 Use SLXD7 fittings

Mill-Galvanized

P () XD7 Use PLXD7 fittings

NEMA 24C



Span (ft.)	12		14		16		20		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
9	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
12	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
18	287*	0.43	287*	0.80	240	1.13	154	1.77	100	2.39
24	215*	0.32	215*	0.60	215*	1.01	154	1.77	100	2.39
**30	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
**36	419*	0.63	314	0.87	240	1.13	154	1.77	100	2.39

Example:

Part # S9XB7-24-144				
S	9	XB7-	24-	144
Material	Rung Spacing in Inches	Tray Type	Width in Inches	Length in Inches

* = Load limit is limited by the load carrying capacity of the transverse member (rung).
**= Indicates the transverse member is a 15/16" hat shaped rung.

USE COLOR CODING TO ASSEMBLE PART NUMBER