

	Core	Constructive Elongation (per 100 ft) in	Elastic Elongation (per 100 ft) in	Total Elongation (per 100 ft) in
6 Strand	FC	2.0 – 2.5	2.5 – 3.0	4.5 – 5.5
8 Strand	FC	3.0 – 3.5	2.5 – 3.0	5.5 – 6.5

REPLACEMENT CRITERIA - Number Broken Wires (Per Lay Length) [ASME a17.6-2010]

	EQUALLY DISTRIBUTED			UNEQUALLY DISTRIBUTED		
Discarding Criteria	Normal Wear	Unfavourable Wear	Presence of Rouge	Normal Wear	Unfavourable Wear	Presence of Rouge
6 Strand	24	12	12	8	4	4
8 Strand	32	16	16	10	5	5
10 Strand	34	17	17	11	6	6

* When reaching half of the noted broken wires in the table, we recommend discarding or retesting within a certain period determined by an expert.

REPLACEMENT CRITERIA - Diameter Reduction - Minimum Diameter [ASME A17.6-2010]

in	mm	Min. Size NO Rouge / Even Surface		Min. Size Rouge / Uneven Surface	
		in	mm	in	mm
	8.0	0.295	7.49	0.305	7.75
3/8"	9.5	0.352	8.94	0.363	9.22
	10.0	0.369	9.37	0.381	9.68
	11.0	0.406	10.31	0.420	10.67
7/16"	11.1	0.410	10.41	0.424	10.77
1/2"	12.7	0.469	11.91	0.484	12.29
	13.0	0.480	12.19	0.496	12.60
9/16"	14.3	0.527	13.39	0.545	13.84
5/8"	15.9	0.586	14.88	0.605	15.37
	16.0	0.591	15.01	0.610	15.49
11/16"	17.5	0.645	16.38	0.666	16.92
3/4"	19.1	0.703	17.86	0.727	18.47
7/8"	22.2	0.820	20.83	0.848	21.54

ALPS WIRE ROPES

EHS	6 Strand - 6x25Fi - Galvanized	Grade	Core	MBL lb	Net Weight lb/ft
180-4028Z	5/8" Alps6 2F-EI GALV	EHS	IWRC	38,487	0.72
TRACTION	8 Strand - 8x19S - Fiber Core - Bright	Grade	Core	MBL lb	Net Weight lb/ft
140-4111Z	3/8" AlpsXTRA8 1S-TF BRT	Traction	FC	8,200	0.20
145-4111Z	11mm AlpsXTRA8 1S-TF BRT	Traction	FC	11,000	0.28
160-4111Z	1/2" AlpsXTRA8 1S-TF BRT	Traction	FC	14,500	0.36
180-4111Z	5/8" AlpsXTRA8 1S-TF BRT	Traction	FC	23,000	0.57
185-4111Z	11/16" AlpsXTRA8 1S-TF BRT	Traction	FC	27,000	0.69
EHS	8 Strand - 8x19S - Fiber Core - Bright	Grade	Core	MBL lb	Net Weight lb/ft
140-4113Z	3/8" AlpsXTRA8 1S-EF BRT	EHS	FC	9,900	0.20
160-4113Z	1/2" AlpsXTRA8 1S-EF BRT	EHS	FC	17,500	0.36
180-4113Z	5/8" AlpsXTRA8 1S-EF BRT	EHS	FC	27,200	0.57
185-4113Z	11/16" AlpsXTRA8 1S-EF BRT	EHS	FC	32,800	0.69
IRON	8 Strand - 8x25Fi - Fiber Core - Bright	Grade	Core	MBL lb	Net Weight lb/ft
180-4119Z	5/8" AlpsXTRA8 2F-IF BRT	Iron	FC	11,200	0.57
DUAL 1370	8 Strand - 8x19S - IWRC - Bright	Grade	Core	MBL lb	Net Weight lb/ft
165-4211Z	13mm AlpsXTRA8 1S-D13I BRT	1370-1770	IWRC	21,245	0.46
182-4211Z	16mm AlpsXTRA8 1S-D13I BRT	1370-1770	IWRC	32,148	0.70
DUAL 1550	8 Strand - 8x19W & 8x25Fi - IWRC - Bright	Grade	Core	MBL lb	Net Weight lb/ft
142-4251Z	10mm AlpsXTRA8 1W-D15I BRT	1570-1770	IWRC	13,374	0.27
165-4252Z	13mm AlpsXTRA8 2F-D15I BRT	1570-1770	IWRC	22,651	0.46
Door Ropes	7x19 - Galvanized	Grade	Core	MBL lb	Net Weight lb/ft
070-1450Z-L	1/8" AlpsDr	1960	SC	2,001	0.04



Alps6 2F-EI
(6x25 IWRC)



AlpsXTRA8
1S-TF
(8x19 FC)



AlpsXTRA8
2F-IF
(8x25 FC)



AlpsXTRA8
1S-D13I
(8x19 IWRC)



AlpsXTRA8
2F-D15I
(8x25 IWRC)

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