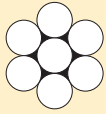


Cable Selection Guide

CONSTRUCTION

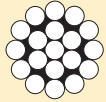
1 x 7 Strand Core



Attributes—Provides excellent abrasion resistance with low flexibility and low stretch.

Applications—Used as guying wire, tensioning members, and for applications with straight pulling and pushing requirements.

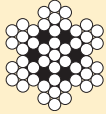
1 x 19 Strand Core



Attributes—Provides excellent abrasion and compression resistance with limited flexibility.

Applications—Used as guying wire, tensioning members with pulling and pushing requirements.

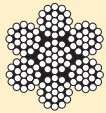
7 x 7 Strand Core



Attributes—Provides excellent abrasion resistance with good flexibility. Best for strength and flexibility.

Applications—Can be used over small diameter pulleys, also used as control cable for equipment.

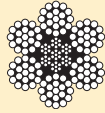
7 x 19 Strand Core



Attributes—Excellent flexibility, strength, and greatest amount of stretch. Resistant to crushing.

Applications—Can be used over small diameter pulleys, also used as control cable for equipment.

6 x 19 Class IWRC



Attributes—Provides abrasion and crush resistance with excellent flexibility.

Applications—Logging ropes, choker rope, rotary drilling, and cable track lines.

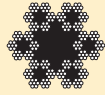
6 x 37 Class IWRC



Attributes—High strength, extremely flexible, excellent fatigue resistance with super flexibility. Lower abrasion resistance.

Applications—Winch lines, cranes, and towing.

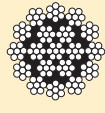
6 x 42 Fiber Core



Attributes—Balanced combination of abrasion and fatigue resistance for machinery operation.

Applications—Winch lines, cranes, and towing.

19 x 7 Strand Core



Attributes—Provides rotation resistance with superior flexibility. Susceptible to crushing and kinking. Extra care must be exercised when using cable.

Applications—Lifting and pulling applications.

MATERIAL TYPES

Galvanized

Galvanized steel provides some corrosion resistance and is an economical alternative to stainless steel.

304 Stainless

Good corrosion resistance and more economical than 316 stainless.

Galvanized Vinyl Jacketed

General-purpose PVC provides high flexibility and superior appearance. Typically used as barriers and lanyards.

Nylon-Coated Galvanized

Provides high flexibility and abrasion resistance. Typically used for drive cables and physical fitness equipment.

Polypropylene-Impregnated and Coated Galvanized Steel

Provides protections for internal strands to protect against corrosion and fatigue.

302/304 Stainless Steel Clear Vinyl Jacketed

PVC coating adds additional corrosion protection.

IWRC

Independent wire rope core provides additional support to prevent crushing.

Fiber Core

A fiber core provides support while remaining flexible, more susceptible to crushing.

Specs Compliance

1	Meets or exceeds stranding and mechanical properties outlined in ASTM A 475-03 for Common Grade
2	Meets or exceeds strength requirements outlined in ASTM A 475-03 for Common Grade
3	Meets or exceeds stranding and mechanical properties outlined in Federal Specification RR-W-410
4	Meets or exceeds stranding and mechanical properties outlined in MIL-DTL-87161
5	Meets or exceeds stranding and mechanical properties outlined in MIL-DTL-83420
6	Meets or exceeds strength requirements outlined in Federal Specification RR-W-410 for material type and diameter

Construction Material	Type	Cable Size (In.)	Coated Size	Specs Compliance
Galvanized	1 x 7 Strand Core	1/32	—	4
		3/64	—	4
		1/16	—	4
Galvanized	1 x 19 Strand Core	3/32	—	4
		1/8	—	4
		5/32	—	4
		1/4	—	6
Galvanized	7 x 7 Strand Core	3/16	—	1, 2
		1/4	—	1, 2, 3, 6
		1/4	—	3, 6
Galvanized	7 x 19 Strand Core	5/16	—	3, 6
		3/8	—	3, 6
		1/4	—	6
		1/8	—	6
304 Stainless	1 x 19 Strand Core	1/16	—	6
		3/8	—	6
		3/16	—	6
		5/16	—	6
304 Stainless	6 x 19 Class IWRC	7/16	—	3, 5, 6
		1/2	—	3, 5, 6
		3/16	—	5
304 Stainless	6 x 37 Class IWRC	1/4	—	3, 5, 6
		5/16	—	3, 5, 6
		3/8	—	3, 5, 6

Construction Material	Type	Cable Size (In.)	Coated Size	Specs Compliance
304 Stainless	6 x 42 Fiber Core	1/8	—	5
		3/16	—	5
		1/4	—	5
		5/16	—	5
		3/8	—	5
304 Stainless	7 x 7 Strand Core	1/4	—	3, 6
		1/16	—	5
304 Stainless	7 x 19 Strand Core	1/8	—	5
		3/16	—	5
		7/32	—	5
304 Stainless	19 x 7 Strand Core	1/4	—	3, 6
		3/8	—	3, 6
		7/16	—	3, 6
		3/16	1/4	6
Nylon-Coated Galvanized Construction Material	7 x 19 Strand Core	3/16	5/16	6
		1/4	5/16	6
		5/16	13/32	6
		3/8	15/32	6
		1/4	5/16	6
Galvanized Clear Vinyl Jacketed	7 x 19 Strand Core	5/16	13/32	6
		3/8	15/32	6
		3/16	1/4	6
		3/16	5/16	6
		1/4	5/16	6
302/304 Stainless Steel Clear Vinyl Jacketed	7 x 19 Strand Core	5/16	13/32	6
		3/8	15/32	6
		3/16	5/16	6
		3/8	15/32	6
Polypropylene-Impregnated & Coated Galvanized	7 x 7 Strand Core	1/4	—	1, 6