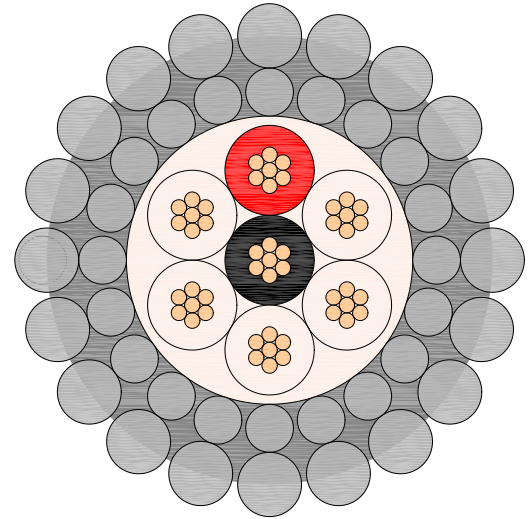




ROCHESTER CABLE – 7-H-314A

Description	Controlled Customer Copy	Part No.	Revision	Issue	Date
Wireline Cable	Rochester Cable	A279319	Z	1	15 Dec 2020

DESCRIPTION	INCH	MM
<u>CONDUCTORS</u> (7) #22 AWG, 7/0.010" (0.25 mm) Cu	0.030	0.76
<u>INSULATION</u> 0.014" (0.36 mm) Wall EPC Colors: Black, Red, 5x Natural	0.058	1.47
<u>CORE</u> 6 insulated cdrs around 1.	0.176	4.47
<u>BELT</u> 0.005" (0.13 mm) Wall TPE	0.186	4.72
<u>ARMOR</u> : GEEIPS Inner: 20/0.031" (0.79 mm) Outer: 20/0.0415" (1.05 mm)	0.248 0.331 ± 0.004	6.30 8.41 ± 0.10





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Wireline Cable	Rochester Cable	A279319	Z	1	15 Dec 2020

CABLE CHARACTERISTICS

NOMINAL VALUES @ 20°C

Imperial/US

SI

PHYSICAL

Overall Dimensions	0.331 in	8.41 mm
Weight in Air	181 lb/kft	270 kg/km
Weight in Freshwater	150 lb/kft	223 kg/km
Temperature Rating, normal	275°F	135°C
intermittent	300°F	149°C

MECHANICAL

Breaking Strength	11,000 lbf	48.9 kN
Individual Armor Breaking Strength		
Inner	230 lbf	1.02 kN
Outer	413 lbf	1.84 kN
Bend Diameter	17 in	42 cm
Elongation (approximate)	1.8 ft/kft/klbf	0.41 m/km/kN

ELECTRICAL

Voltage Rating	600 Vdc	600 Vdc
dc Resistance		
cdr	16.6 Ω/kft	54.3 Ω/km
armor	2.5 Ω/kft	8.0 Ω/km
Insulation Resistance @ 500 Vdc	50,000 MΩ•kft	15,000 MΩ•km
Capacitance (cdr - armor)	33 pF/ft	108 pF/m
Velocity of Propagation @ 1 MHz	67%	67%

Jurisdiction: Export Administration Regulations (EAR)

ECCN: EAR99

HTS Code: 8544.49.3080

Date of Marking: June 17, 2020

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